# Global United Technology Services Co., Ltd.

Report No.: GTS202210000142F01

# TEST REPORT

INTERNATIONAL DEVELOPMENT COMPANY **Applicant:** 

**Address of Applicant:** 899 Henrietta Creek Road, Roanoke, Texas 76262, United

States

1. Zhongshan Quanxin Lighting Electrical Co., Ltd. Manufacturer/Factory:

2. Solana Smart Lighting Co., Ltd.

Address of 1. Hong Ji Street, Shalang, Long Ping Cun, West District,

Zhongshan Guangdong 528411 China Manufacturer/Factory:

2. No.268 Moo 7, Huasamrong Sub-district, Plaengyao District,

Chachoengsao Province, Thailand 24190

**Equipment Under Test (EUT)** 

**Product Name:** Solar LED Light

Model No.: SR32SL02H-08

FCC ID: 2AP35-SR32SL02H-08

FCC CFR Title 47 Part 15 Subpart C Section 15.249 **Applicable standards:** 

Date of sample receipt: October 21, 2022

Date of Test: October 21-28, 2022

Date of report issued: October 28, 2022

Test Result: PASS \*

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

Authorized Signature:



Robinson Luo Laboratory Manager

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# 2 Version

| Version No. | Date             | Description |
|-------------|------------------|-------------|
| 00          | October 28, 2022 | Original    |
|             |                  |             |
|             |                  |             |
|             |                  |             |
|             |                  |             |

| Prepared By: | Jasantlu         | Date: | October 28, 2022 |
|--------------|------------------|-------|------------------|
|              | Project Engineer |       |                  |
| Check By:    | Lotinson lus     | Date: | October 28, 2022 |
|              | Reviewer         |       |                  |



# 3 Contents

|   |      |  | Page |
|---|------|--|------|
| 1 | COV  | ER PAGE                                | 1    |
| 2 | VEE  | RSION                                  |      |
| _ | VER  | (SION                                  | 2    |
| 3 | CON  | NTENTS                                 | 3    |
| 4 | TEC  | ST SUMMARY                             |      |
| 4 |      |  |      |
|   | 4.1  | MEASUREMENT UNCERTAINTY                |      |
| 5 | GEN  | NERAL INFORMATION                      | 5    |
|   | 5.1  | GENERAL DESCRIPTION OF EUT             | 5    |
|   | 5.2  | TEST MODE                              |      |
|   | 5.3  | DESCRIPTION OF SUPPORT UNITS           |      |
|   | 5.4  | DEVIATION FROM STANDARDS               |      |
|   | 5.5  | ABNORMALITIES FROM STANDARD CONDITIONS |      |
|   | 5.6  | TEST FACILITY                          |      |
|   | 5.7  | TEST LOCATION                          |      |
|   | 5.8  | ADDITIONAL INSTRUCTIONS                |      |
| 6 | TES  | ST INSTRUMENTS LIST                    | 7    |
| 7 | TES  | ST RESULTS AND MEASUREMENT DATA        | 9    |
|   | 7.1  | ANTENNA REQUIREMENT                    |      |
|   | 7.2  | RADIATED EMISSION METHOD.              |      |
|   | 7.2. |  |      |
|   | 7.2. |  |      |
|   | 7.2. |  |      |
|   | 7.3  | 20DB OCCUPY BANDWIDTH                  | 30   |
| 8 | TES  | ST SETUP PHOTO                         | 32   |
| ^ |      | Γ CONSTRUCTIONAL DETAILS               | 20   |
| 9 | EUI  | I CONSTRUCTIONAL DETAILS               | 32   |



# **Test Summary**

| Test Item                                | Section in CFR 47     | Result |
|--|-----------------------|--------|
| Antenna requirement                      | 15.203                | Pass   |
| AC Power Line Conducted Emission         | 15.207                | N/A    |
| Field strength of the fundamental signal | 15.249 (a)            | Pass   |
| Spurious emissions                       | 15.249 (a) (d)/15.209 | Pass   |
| Band edge                                | 15.249 (d)/15.205     | Pass   |
| 20dB Occupied Bandwidth                  | 15.215 (c)            | Pass   |

#### Remarks:

- 1. Test according to ANSI C63.10: 2013.
- 2. Pass: The EUT complies with the essential requirements in the standard.

# 4.1 Measurement Uncertainty

| Test Item                        | Frequency Range                     | Measurement Uncertainty           | Notes |
|----------------------------------|-------------------------------------|-----------------------------------|-------|
| Radiated Emission                | 9kHz-30MHz                          | 3.1dB                             | (1)   |
| Radiated Emission                | 30MHz-200MHz                        | 3.8039dB                          | (1)   |
| Radiated Emission                | 200MHz-1GHz                         | 3.9679dB                          | (1)   |
| Radiated Emission                | 1GHz-18GHz                          | 4.29dB                            | (1)   |
| Radiated Emission                | 18GHz-40GHz                         | 3.30dB                            | (1)   |
| AC Power Line Conducted Emission | 0.15MHz ~ 30MHz                     | 3.44dB                            | (1)   |
| Note (1): The measurement unce   | rtainty is for coverage factor of k | =2 and a level of confidence of 9 | 95%.  |



# 5 General Information

# 5.1 General Description of EUT

| Product Name:        | Solar LED Light                                  |
|----------------------|--|
| Model No.:           | SR32SL02H-08                                     |
| Serial No.:          | QXSR32SL02H08                                    |
| Test sample(s) ID:   | GTS202210000142-1                                |
| Sample(s) Status     | Engineered sample                                |
| Operation Frequency: | 2420MHz, 2450MHz, 2470MHz                        |
| Channel numbers:     | 3  |
| Modulation type:     | GFSK   |
| Antenna Type:        | Integral antenna                                 |
| Antenna gain:        | 1.48dBi(Declared by applicant)                   |
| Power supply:        | DC 3.7V, 2000mAh for Rechargeable Li-ion Battery |
| r ower supply.       | The battery is charged by solar panel            |

# The test frequencies are below:

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2420MHz   |
| The middle channel  | 2450MHz   |
| The Highest channel | 2470MHz   |

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#### 5.2 Test mode

| Transmitting mode | Keep the EUT in continuously transmitting mode. |
|-------------------|---|
|-------------------|---|

#### Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

| Axis                   | X     | Υ     | Z     |
|------------------------|-------|-------|-------|
| Field Strength(dBuV/m) | 89.24 | 90.63 | 88.16 |

#### 5.3 Description of Support Units

None.

#### 5.4 Deviation from Standards

None.

#### 5.5 Abnormalities from Standard Conditions

None.

# 5.6 Test Facility

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

• FCC—Registration No.: 381383

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen 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 files.

#### • IC —Registration No.: 9079A

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

#### 5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123- 128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

#### 5.8 Additional Instructions

| Test Software     | Special test command provided by manufacturer |  |
|-------------------|---|--|
| Power level setup | Default                                       |  |

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# 6 Test Instruments list

| Radiated Emission: |                                     |                                |                             |                  |                        |                            |  |
|--------------------|-------------------------------------|--------------------------------|-----------------------------|------------------|------------------------|----------------------------|--|
| Item               | Test Equipment                      | Manufacturer                   | Model No.                   | Inventory<br>No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |
| 1                  | 3m Semi- Anechoic<br>Chamber        | ZhongYu Electron               | 9.2(L)*6.2(W)* 6.4(H)       | GTS250           | July 02, 2020          | July 01, 2025              |  |
| 2                  | Control Room                        | ZhongYu Electron               | 6.2(L)*2.5(W)* 2.4(H)       | GTS251           | N/A                    | N/A                        |  |
| 3                  | EMI Test Receiver                   | Rohde & Schwarz                | ESU26                       | GTS203           | April 22, 2022         | April 21, 2023             |  |
| 4                  | BiConiLog Antenna                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9168                    | GTS640           | March 21, 2022         | March 20, 2023             |  |
| 5                  | Double -ridged<br>waveguide horn    | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D                 | GTS208           | June 12, 2022          | June 11, 2023              |  |
| 6                  | Horn Antenna                        | ETS-LINDGREN                   | 3160                        | GTS217           | June 23, 2022          | June 22, 2023              |  |
| 7                  | EMI Test Software                   | AUDIX                          | E3                          | N/A              | N/A                    | N/A                        |  |
| 8                  | Coaxial Cable                       | GTS                            | N/A                         | GTS213           | April 22, 2022         | April 21, 2023             |  |
| 9                  | Coaxial Cable                       | GTS                            | N/A                         | GTS211           | April 22, 2022         | April 21, 2023             |  |
| 10                 | Coaxial cable                       | GTS                            | N/A                         | GTS210           | April 22, 2022         | April 21, 2023             |  |
| 11                 | Coaxial Cable                       | GTS                            | N/A                         | GTS212           | April 22, 2022         | April 21, 2023             |  |
| 12                 | Amplifier(100kHz-3GHz)              | HP                             | 8347A                       | GTS204           | April 22, 2022         | April 21, 2023             |  |
| 13                 | Amplifier (18-26GHz)                | Rohde & Schwarz                | AFS33-18002<br>650-30-8P-44 | GTS218           | June 23, 2022          | June 22, 2023              |  |
| 14                 | Band filter                         | Amindeon                       | 82346                       | GTS219           | June 23, 2022          | June 22, 2023              |  |
| 15                 | Power Meter                         | Anritsu                        | ML2495A                     | GTS540           | June 23, 2022          | June 22, 2023              |  |
| 16                 | Power Sensor                        | Anritsu                        | MA2411B                     | GTS541           | June 23, 2022          | June 22, 2023              |  |
| 17                 | Wideband Radio Communication Tester | Rohde & Schwarz                | CMW500                      | GTS575           | April 22, 2022         | April 21, 2023             |  |
| 18                 | Splitter                            | Agilent                        | 11636B                      | GTS237           | June 23, 2022          | June 22, 2023              |  |
| 19                 | Loop Antenna                        | ZHINAN                         | ZN30900A                    | GTS534           | Nov. 30, 2021          | Nov. 29, 2022              |  |
| 20                 | Broadband Preamplifier              | SCHWARZBECK                    | BBV9718                     | GTS535           | April 22, 2022         | April 21, 2023             |  |
| 21                 | Breitband<br>hornantenna            | SCHWARZBECK                    | BBHA 9170                   | GTS579           | Oct. 16, 2022          | Oct. 15, 2023              |  |
| 22                 | Amplifier                           | TDK                            | PA-02-02                    | GTS574           | Oct. 16, 2022          | Oct. 15, 2023              |  |
| 23                 | Amplifier                           | TDK                            | PA-02-03                    | GTS576           | Oct. 16, 2022          | Oct. 15, 2023              |  |
| 24                 | PSA Series Spectrum<br>Analyzer     | Rohde & Schwarz                | FSP                         | GTS578           | June 23, 2022          | June 22, 2023              |  |
| 25                 | 25 Amplifier(1GHz-26.5GHz) HP       |                                | 8449B                       | GTS601           | April 22, 2022         | April 21, 2023             |  |



| RF C | RF Conducted Test:                                   |              |                  |            |                        |                            |  |
|------|--|--------------|------------------|------------|------------------------|----------------------------|--|
| Item | Test Equipment                                       | Manufacturer | Model No.        | Serial No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |
| 1    | MXA Signal Analyzer                                  | Agilent      | N9020A           | GTS566     | April 22, 2022         | April 21, 2023             |  |
| 2    | EMI Test Receiver                                    | R&S          | ESCI 7           | GTS552     | April 22, 2022         | April 21, 2023             |  |
| 3    | Spectrum Analyzer                                    | Agilent      | E4440A           | GTS536     | April 22, 2022         | April 21, 2023             |  |
| 4    | MXG vector Signal<br>Generator                       | Agilent      | N5182A           | GTS567     | April 22, 2022         | April 21, 2023             |  |
| 5    | ESG Analog Signal<br>Generator                       | Agilent      | E4428C           | GTS568     | April 22, 2022         | April 21, 2023             |  |
| 6    | USB RF Power Sensor                                  | DARE         | RPR3006W         | GTS569     | April 22, 2022         | April 21, 2023             |  |
| 7    | RF Switch Box  | Shongyi      | RFSW3003328      | GTS571     | April 22, 2022         | April 21, 2023             |  |
| 8    | Programmable Constant<br>Temp & Humi Test<br>Chamber | WEWON        | WHTH-150L-40-880 | GTS572     | April 22, 2022         | April 21, 2023             |  |

| G   | eneral used equipment:          |              |           |                  |                        |                            |
|-----|---------------------------------|--------------|-----------|------------------|------------------------|----------------------------|
| Ite | m Test Equipment                | Manufacturer | Model No. | Inventory<br>No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
| 1   | Humidity/ Temperature Indicator | KTJ          | TA328     | GTS243           | April 25, 2022         | April 24, 2023             |
| 2   | Barometer                       | KUMAO        | SF132     | GTS647           | July 26, 2022          | July 25, 2023              |

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## 7 Test results and Measurement Data

# 7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203

#### 15.203 requirement:

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.

#### **EUT Antenna:**

The antenna is integral antenna, reference to the appendix II for details.

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# 7.2 Radiated Emission Method

|   | 1.2 Radialed Ellission Me | tiloa  |                               |              |         |                  |  |
|---|---------------------------|--|-------------------------------|--------------|---------|------------------|--|
|   | Test Requirement:         | FCC Part15 C Section 15.209  |                               |              |         |                  |  |
|   | Test Method:              | ANSI C63.10:20   | 013                           |              |         |                  |  |
|   | Test Frequency Range:     | 9kHz to 25GHz  |                               |              |         |                  |  |
|   | Test site:                | Measurement D  | Distance: 3m                  |              |         |                  |  |
|   | Receiver setup:           | Frequency  | Detector                      | RBW          | VBW     | Remark           |  |
|   |                           | 9kHz- Quasi-peak   |                               | k 200Hz      | 300Hz   | Quasi-peak Value |  |
| Ş |                           | 150kHz   |                               |              |         |                  |  |
|   |                           | 150kHz- Quasi-peak<br>30MHz  |                               | k 9kHz       | 10kHz   | Quasi-peak Value |  |
|   |                           | 30MHz- Quasi-peak  |                               | k 120KHz     | 300KHz  | Quasi-peak Value |  |
|   |                           | Above 4CU-   | Peak                          | 1MHz         | 3MHz    | Peak Value       |  |
|   |                           | Above 1GHz   | Peak                          | 1MHz         | 10Hz    | Average Value    |  |
|   | Limit:                    | Freque   | ency                          | Limit (dBuV  | /m @3m) | Remark           |  |
| 3 | (Field strength of the    |  |                               | 94.0         | 0       | Average Value    |  |
|   | fundamental signal)       | 2400MHz-24   | 183.5MHZ                      | 114.0        | 00      | Peak Value       |  |
| 3 | Limit:                    | Freque   | encv                          | Limit (u     |         | Remark           |  |
| 3 | (Spurious Emissions)      |  | 0.009MHz-0.490MHz 2400/F(     |              |         | Quasi-peak Value |  |
|   | ,                         |  | 0.490MHz-1.705MHz 24000/F(kHz |              |         | Quasi-peak Value |  |
| è |                           |  | 1.705MHz-30.0MHz 30 @30m      |              |         | Quasi-peak Value |  |
|   |                           |  | 30MHz-88MHz 100 @3m           |              |         |                  |  |
|   |                           | 88MHz-216MHz 150 @3m<br>216MHz-960MHz 200 @3m  |                               |              |         | Quasi-peak Value |  |
|   |                           |  |                               |              |         | Quasi-peak Value |  |
|   |                           | 960MHz-  | 960MHz-1GHz 500 @3m           |              |         |                  |  |
|   |                           | Above 1GHz 500 @3  |                               |              | 3m      | Average Value    |  |
|   |                           | Above  | GHZ                           | 5000 @       | 23m     | Peak Value       |  |
|   | Limit:<br>(band edge)     | Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation. |                               |              |         |                  |  |
|   | Test setup:               | For radiated a   | missions fro                  | m OkUz to 20 |         |                  |  |
|   |                           | For radiated emissions from 9kHz to 30MHz   (3m)  Test Antenna  Receiver-  |                               |              |         |                  |  |
| 8 |                           | For radiated emissions from 30MHz to1GHz   |                               |              |         |                  |  |



Report No.: GTS202210000142F01 < 3m > < 1m ... 4m > EUT. Turn Table Receiver# Preamplifier₽ For radiated emissions above 1GHz <del>,</del> < 3m > < 1m ... 4m > EUT-Tum Tables <150cm> Receiver Preamplifier-1. The EUT was placed on the top of a rotating table (0.8m for below Test Procedure: 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Test Instruments: Refer to section 6.0 for details Refer to section 5.2 for details Test mode: Test environment: 25 °C 52% Temp.: Humid .: Press.: 1012mbar Test voltage: DC 3.7V Test results: **Pass** 



#### Measurement data:

# 7.2.1 Field Strength of The Fundamental Signal

#### Peak value:

| Frequency<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Preamp<br>Factor<br>(dB) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | polarization |
|--------------------|-------------------------|-----------------------------|-----------------------|--------------------------|-------------------|------------------------|-----------------------|--------------|
| 2420.00            | 92.83                   | 27.43                       | 2.93                  | 38.88                    | 84.31             | 114.00                 | -29.69                | Vertical     |
| 2420.00            | 96.44                   | 27.43                       | 2.93                  | 38.88                    | 87.92             | 114.00                 | -26.08                | Horizontal   |
| 2450.00            | 95.39                   | 27.55                       | 2.96                  | 38.98                    | 86.92             | 114.00                 | -27.08                | Vertical     |
| 2450.00            | 99.10                   | 27.55                       | 2.96                  | 38.98                    | 90.63             | 114.00                 | -23.37                | Horizontal   |
| 2470.00            | 91.33                   | 27.64                       | 2.99                  | 39.05                    | 82.91             | 114.00                 | -31.09                | Vertical     |
| 2470.00            | 94.40                   | 27.64                       | 2.99                  | 39.05                    | 85.98             | 114.00                 | -28.02                | Horizontal   |

## Average value:

| Frequency<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Preamp<br>Factor<br>(dB) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | polarization |
|--------------------|-------------------------|-----------------------------|-----------------------|--------------------------|-------------------|------------------------|-----------------------|--------------|
| 2420.00            | 84.41                   | 27.43                       | 2.93                  | 38.88                    | 75.89             | 94.00                  | -18.11                | Vertical     |
| 2420.00            | 86.05                   | 27.43                       | 2.93                  | 38.88                    | 77.53             | 94.00                  | -16.47                | Horizontal   |
| 2450.00            | 86.06                   | 27.55                       | 2.96                  | 38.98                    | 77.59             | 94.00                  | -16.41                | Vertical     |
| 2450.00            | 88.16                   | 27.55                       | 2.96                  | 38.98                    | 79.69             | 94.00                  | -14.31                | Horizontal   |
| 2470.00            | 83.18                   | 27.64                       | 2.99                  | 39.05                    | 74.76             | 94.00                  | -19.24                | Vertical     |
| 2470.00            | 87.38                   | 27.64                       | 2.99                  | 39.05                    | 78.96             | 94.00                  | -15.04                | Horizontal   |

Note: For fundamental frequency , RBW>20dB BW, VBW>=RBW, PK detector for PK value, RMS detector for AV value



Test plot as follows:

Only show the worst case: 2450MHz, Vertical



## PK detector is for PK value



RMS detector is for AV value

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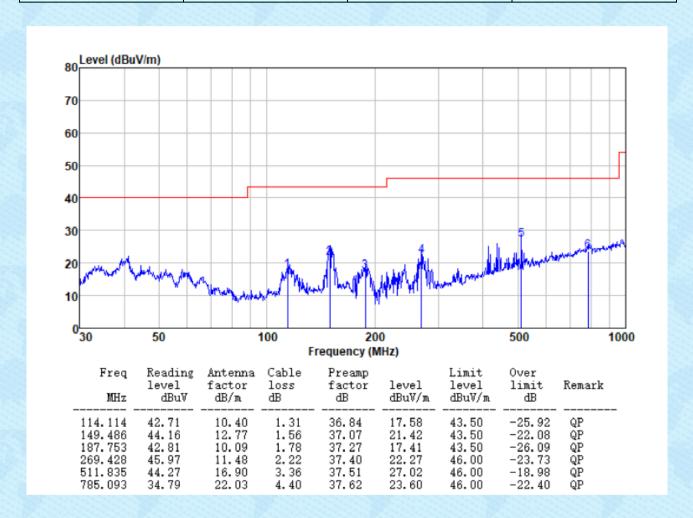
### 7.2.2 Spurious emissions

#### ■ Below 30MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

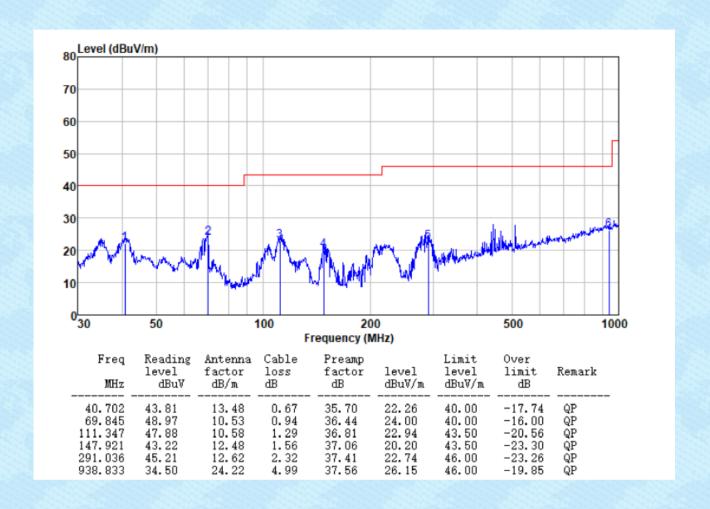
#### ■ Below 1GHz

| Test channel: Lowest Polarization: Horizontal |
|---|
|---|

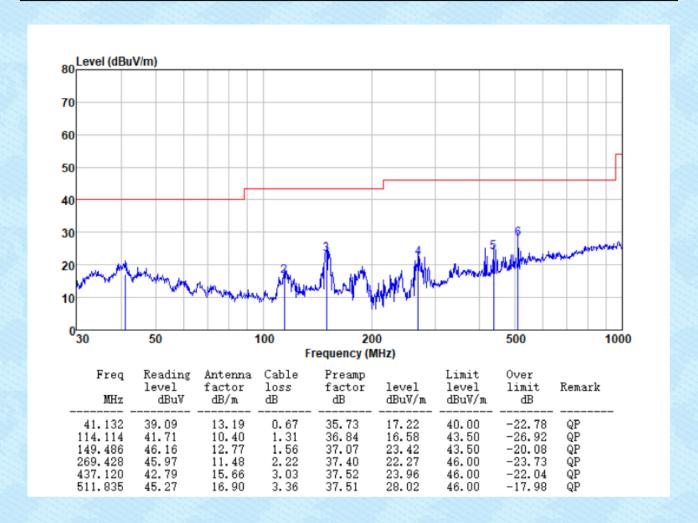




| 2 | Test channel:    | Lowest | Polarization:  | Vertical |
|---|------------------|--------|----------------|----------|
|   | 1 001 0110111011 | 20001  | 1 Glarization: | Voltical |



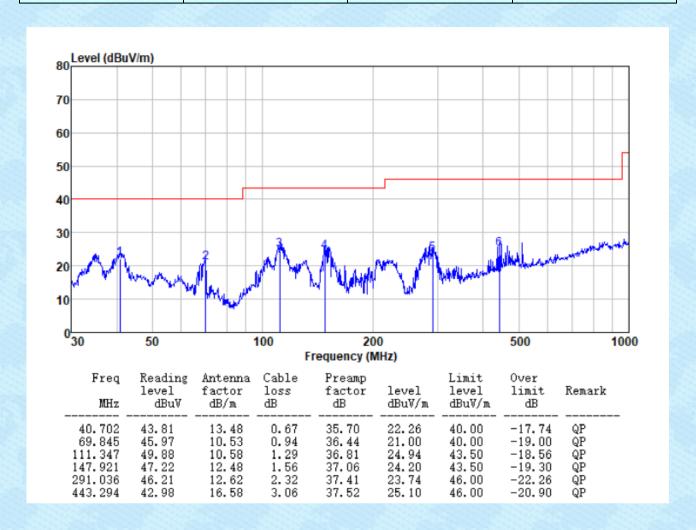




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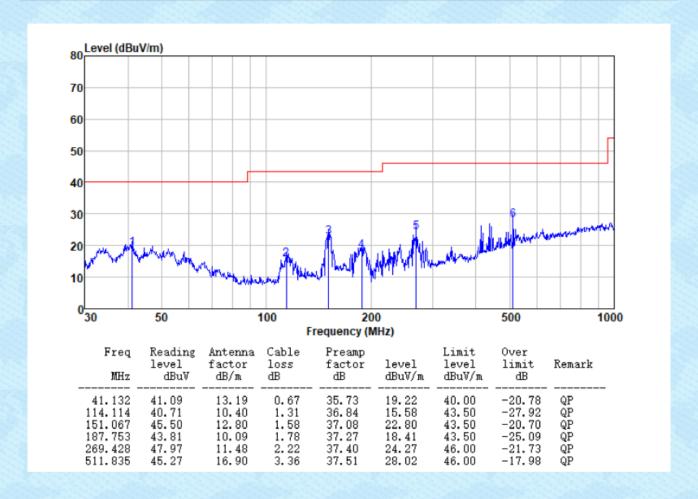


Test channel: Middle Polarization: Vertical





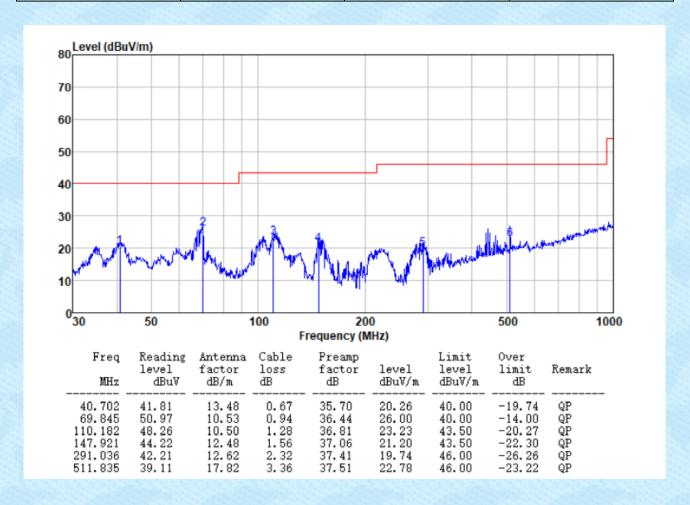
| Test channel: Highest Polarization: Horizontal | Test channel: | Highest | Polarization: | Horizontal |
|--|---------------|---------|---------------|------------|
|--|---------------|---------|---------------|------------|



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Test channel: Highest Polarization: Vertical

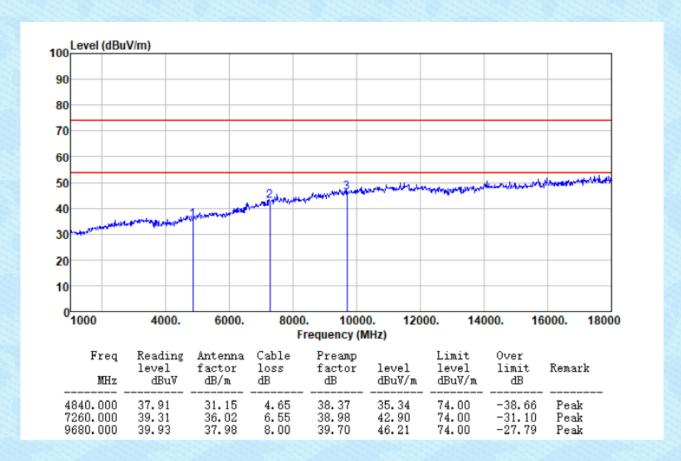


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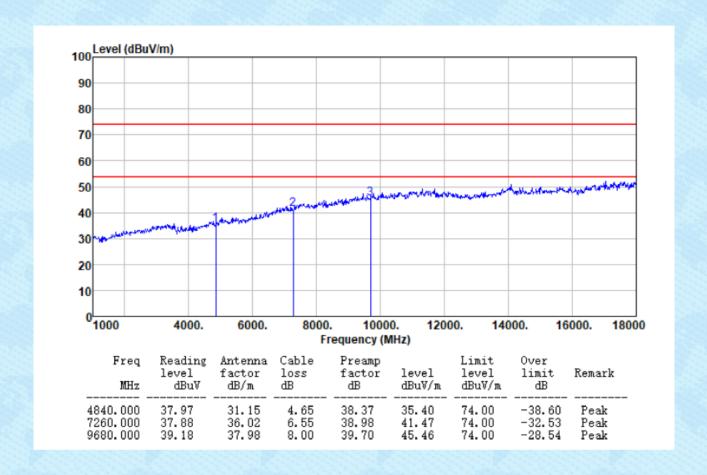
#### ■ Above 1GHz

| Test channel: | Lowest | Polarization: | Horizontal |
|---------------|--------|---------------|------------|
|---------------|--------|---------------|------------|



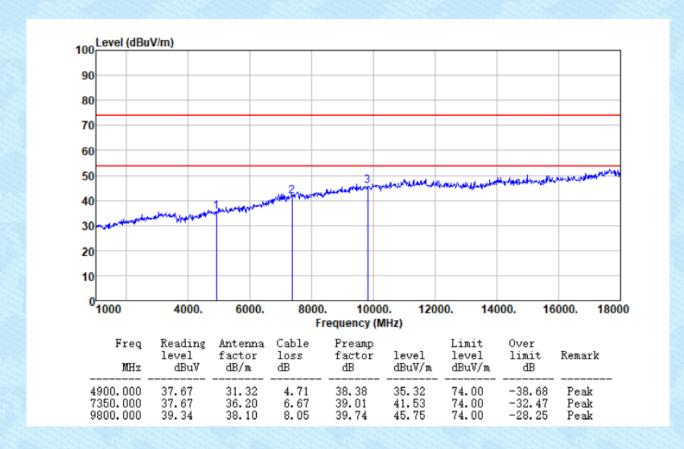


| 2 | Test channel:    | Lowest | Polarization:  | Vertical |
|---|------------------|--------|----------------|----------|
|   | 1 001 0110111011 | 20001  | 1 Glarization: | Voltical |



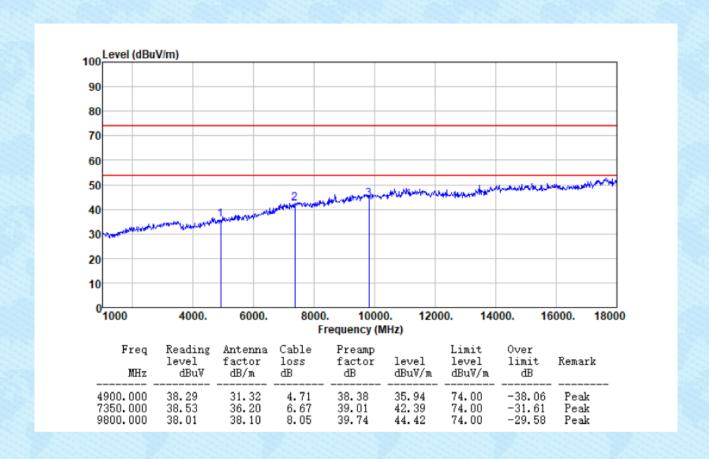


| Test channel: Middle Polarization: Horizontal |
|---|
|---|

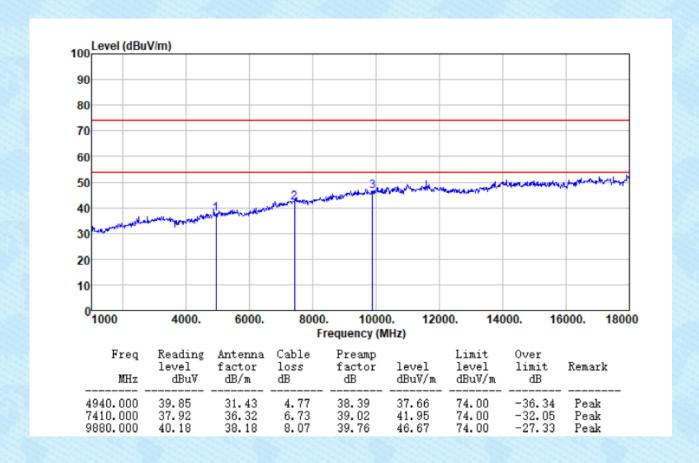




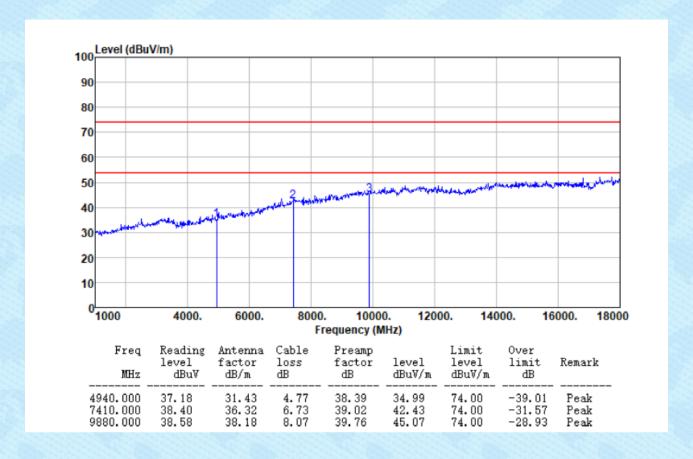
| Test channel: | Middle  | Polarization:  | Vertical |
|---------------|---------|----------------|----------|
| rest charmer. | Miladie | FUIAITZALIUIT. | VEITICAI |











#### Remarks:

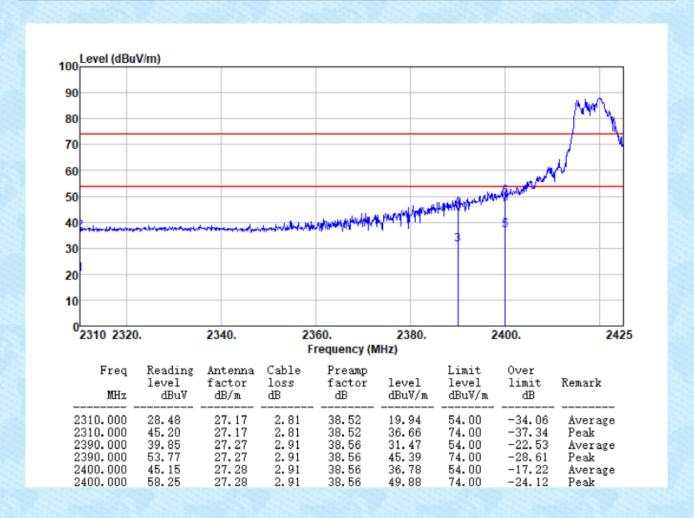
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



### 7.2.3 Bandedge emissions

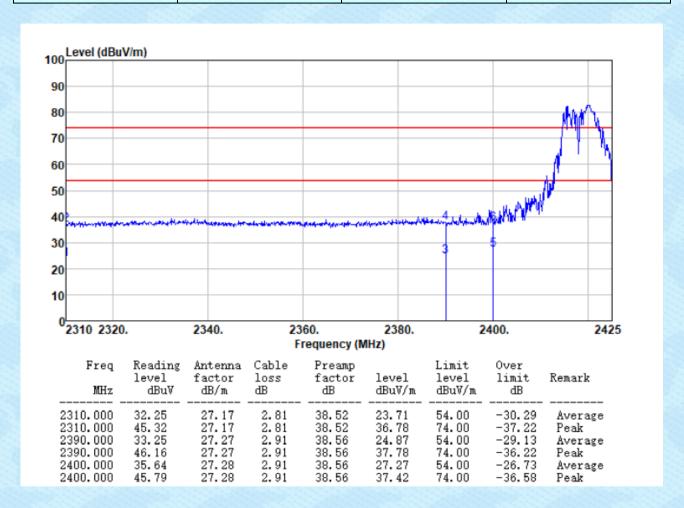
All of the restriction bands were tested, and only the data of worst case was exhibited.

Test channel: Lowest Polarization: Horizontal



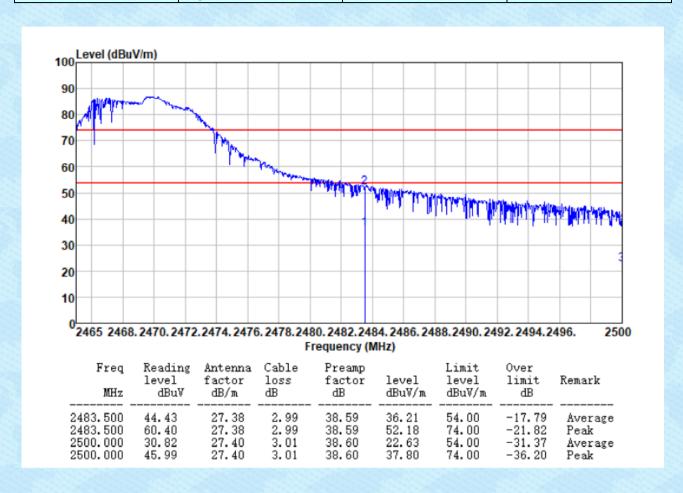


Test channel: Lowest Polarization: Vertical





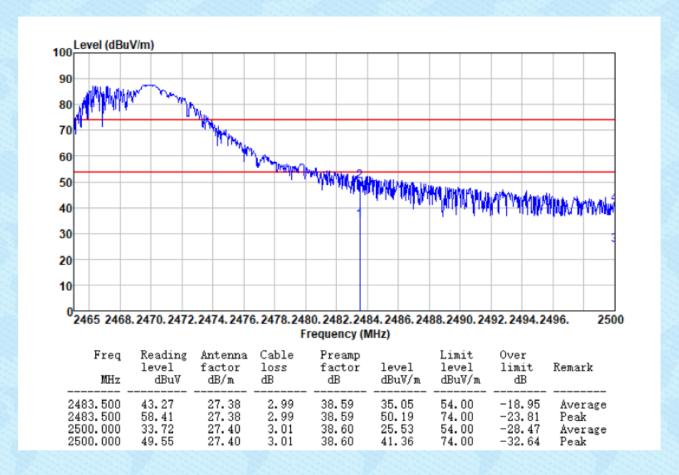
| Test channel:   | Highest   | Polarization: | Horizontal |
|-----------------|-----------|---------------|------------|
| i cot charinoi. | riigricat | i dianzation. | Honzontai  |



Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102



| Test channel: | Highest | Polarization: | Vertical |  |
|---------------|---------|---------------|----------|--|
|---------------|---------|---------------|----------|--|



#### Remark:

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor



# 7.3 20dB Occupy Bandwidth

| Test Requirement: | FCC Part15 C Section 15.249/15.215                             |  |  |
|-------------------|--|--|--|
| Test Method:      | ANSI C63.10:2013   |  |  |
| Limit:            | Operation Frequency range 2400MHz~2483.5MHz                    |  |  |
| Test setup:       | Spectrum Analyzer  Non-Conducted Table  Ground Reference Plane |  |  |
| Test Instruments: | Refer to section 6.0 for details                               |  |  |
| Test mode:        | Refer to section 5.2 for details                               |  |  |
| Test results:     | Pass   |  |  |

#### **Measurement Data**

| Test channel | 20dB bandwidth(MHz) | Result |  |
|--------------|---------------------|--------|--|
| Lowest       | 8.087               | Pass   |  |
| Middle       | 7.500               | Pass   |  |
| Highest      | 7.253               | Pass   |  |

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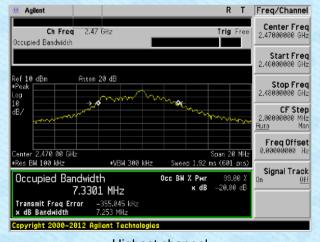
#### Test plot as follows:



#### Lowest channel



### Middle channel



Highest channel



# 8 Test Setup Photo

Reference to the appendix I for details.

# 9 EUT Constructional Details

Reference to the appendix II for details.

-----End-----