



FCC RF EXPOSURE REPORT

CERTIFICATION TEST REPORT

For
WIFI+BT Module

MODEL NUMBER: WXT26M2101B

FCC ID: 2AC23-WXT261

REPORT NUMBER: 4789980357.1-11

ISSUE DATE: August 05, 2021

Prepared for

**Hui Zhou Gaoshengda Technology Co.,LTD
NO.75 Zhongkai Development Area, Huizhou, Guangdong, China**

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com



Revision History

| <u>Rev.</u> | <u>Issue Date</u> | <u>Revisions</u> | <u>Revised By</u> |
|-------------|-------------------|------------------|-------------------|
| V0 | 08/5/2021 | Initial Issue | |



TABLE OF CONTENTS

| | |
|---------------------------------------|---|
| 1. ATTESTATION OF TEST RESULTS | 4 |
| 2. TEST METHODOLOGY | 5 |
| 3. FACILITIES AND ACCREDITATION | 5 |
| 4. REQUIREMENT | 6 |



1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Hui Zhou Gaoshengda Technology Co.,LTD
Address: NO.75 Zhongkai Development Area, Huizhou, Guangdong, China

Manufacturer Information

Company Name: SHENZHEN TCL NEW TECHNOLOGY CO LTD
Address: GUANGDONG.SHENZHEN.TCL MULTIMEDIA BLDG.TCL INTERNATIONAL E CITY.NO 1001 ZHONGSHANYUAN RD, NANSHAN DIST

EUT Information

EUT Name: WIFI+BT Module
Model: WXT26M2101B
Brand: GSD
Sample Received Date: June 24, 2021
Sample Status: Normal
Sample ID: 4019009
Date of Tested: June 28, 2021~ July 23, 2021

| APPLICABLE STANDARDS | |
|----------------------|--------------|
| STANDARD | TEST RESULTS |
| FCC 47CFR§2.1091 | PASS |

Prepared By:

Kebo Zhang
Project Engineer

Checked By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo
Laboratory Manager



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

| | |
|----------------------------------|--|
| <p>Accreditation Certificate</p> | <p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p>ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p> |
|----------------------------------|--|

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.



4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

| Frequency Range (MHz) | E-field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm ²) | Averaging Time E ² , H ² or S (Minutes) |
|-----------------------|----------------------------|-----------------------------------|---|---|
| 0.3 -- 1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34 -- 30 | 824/f | 2.19/f | (180/f ²)* | 30 |
| 30 -- 300 | 27.5 | 0.073 | 0.2 | 30 |
| 300 -- 1500 | -- | -- | f/1500 | 30 |
| 1500 -- 100,000 | -- | -- | 1.0 | 30 |

CALCULATION METHOD

$$S = PG / 4\pi R^2$$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna



CALCULATED RESULTS

| Worst Case | | | | | |
|------------|--------------|--------------|---------------|---------------------|-------------|
| Mode | Output Power | Antenna Gain | Power Density | Power Density Limit | Test Result |
| | dBm | dBi | mW/cm2 | mW/cm2 | -- |
| BLE | 7 | 2 | 0.00158 | 1.0 | Complies |

| Worst Case | | | | | |
|------------|--------------|--------------|---------------|---------------------|-------------|
| Mode | Output Power | Antenna Gain | Power Density | Power Density Limit | Test Result |
| | dBm | dBi | mW/cm2 | mW/cm2 | -- |
| BT | 11 | 2 | 0.00397 | 1.0 | Complies |

| Worst Case | | | | | |
|------------|--------------|------------------|---------------|---------------------|-------------|
| Mode | Output Power | Directional Gain | Power Density | Power Density Limit | Test Result |
| | dBm | dBi | mW/cm2 | mW/cm2 | -- |
| WIFI 2.4G | 18 | 2 | 0.01989 | 1.0 | Complies |

| Worst Case | | | | | |
|------------|--------------|------------------|---------------|---------------------|-------------|
| Mode | Output Power | Directional Gain | Power Density | Power Density Limit | Test Result |
| | dBm | dBi | mW/cm2 | mW/cm2 | -- |
| WIFI 5G | 19 | 3 | 0.031530 | 1.0 | Complies |

Note:

1. The Power comes from report operation description.
2. BT and WIFI cannot support simultaneous emission.
3. The minimum separation distance of the device is greater than 20 cm.
3. Calculate by WORST-CASE mode.

END OF REPORT