

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



REPORT NO.: 4789980357.1-11 Page 2 of 7

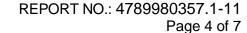
Revision History

Rev.	Issue Date	Revisions	Revised By
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:

Checked By:

Shewalter

Kebo Zhang
Project Engineer

Checked By:

Shewalter

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

	AOLA (O. (C.) AOLA (AOLA)
	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.
	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 Delcaration of Conformity (DoC) and Certification rules
	ISED (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been registered and fully described in a report filed with ISED.
Certificate	The Company Number is 21320 and the test lab Conformity Assessment
	Body Identifier (CABID) is CN0046.
	, ,
	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:
	1
	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

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/cm²)	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/4πR²

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		
ВТ	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	1		
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