



FCC RF EXPOSURE REPORT

CERTIFICATION TEST REPORT

For

WIFI+BT Module

MODEL NUMBER: DCT92G1001

FCC ID: 2AC23-DCT92

IC: 12290A-DCT92

REPORT NUMBER: 4790156624-5

ISSUE DATE: March 17, 2022

Prepared for

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Prepared by

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REPORT NO.: 4790156624-5 Page 2 of 7

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	3/17/2022	Initial Issue	

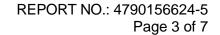




TABLE OF CONTENTS

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



REPORT NO.: 4790156624-5 Page 4 of 7

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: Hui Zhou Gaoshengda Technology Co.,LTD

Address: NO.75 Zhongkai Development Area, Huizhou Guangdong

China

EUT Information

EUT Name: WIFI+BT Module
Model: DCT92G1001
Sample Received Date: November 1, 2021

Sample Status: Normal Sample ID: 4355081

Date of Tested: November 8, 2021 ~ March 11, 2022

APPLICABLE STANDARDS			
STANDARD	TEST RESULTS		
FCC 47CFR§2.1091	PASS		

Prepared By:

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REPORT NO.: 4790156624-5 Page 5 of 7

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

	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.
Accreditation Certificate	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:
	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.



REPORT NO.: 4790156624-5 Page 6 of 7

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

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

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



REPORT NO.: 4790156624-5 Page 7 of 7

CALCULATED RESULTS

Mode	Output Power	Antenna Gain	Power Density	Power Density Limit	Test Result
	dBm	dBi	mW/cm ²	mW/cm ²	
BLE	-3	2	0.00015	1.0	Complies

Mode	Output Power	Antenna Gain	Power Density	Power Density Limit	Test Result
	dBm	dBi	mW/cm ²	mW/cm ²	
ВТ	-1	2	0.00025	1.0	Complies

Mode	Output Power	Directional Gain	Power Density	Power Density Limit	Test Result
	dBm	dBi	mW/cm ²	mW/cm ²	
WIFI 2.4G	17.5	2	0.01773	1.0	Complies

Mode	Output Power	Directional Gain	Power Density	Power Density Limit	Test Result
	dBm	dBi	mW/cm ²	mW/cm²	
WIFI 5G	17	3	0.01990	1.0	Complies

Note:

- 1. The Power comes from report operation description.
- 2. The minimum separation distance of the device is greater than 20 cm.
- 3. BT&WLAN 2.4G, BT & WLAN 5G, WLAN 2.4G & WLAN 5G can't transmit simultaneously.
- 4. Calculate by WORST-CASE mode.

END OF REPORT