

FCC 47 CFR § 1.1307
FCC 47 CFR § 1.1310
FCC 47 CFR § 2.1091

RF EXPOSURE EVALUATION REPORT

For

WIFI+BT Module

MODEL NUMBER: WKCT1JR2501

REPORT NUMBER: 4792379384-1-RF-5

FCC ID: 2AC23-WKCT1J

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Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Sep. 30, 2026	Initial Issue	\

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Hui Zhou Gaoshengda Technology Co., LTD
Address: No.6, Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou, Guangdong, China

Manufacturer Information

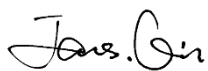
Company Name: Hui Zhou Gaoshengda Technology Co., LTD
Address: No.6, Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou, Guangdong, China

EUT Information

EUT Name: WIFI+BT Module
Model Number: WKCT1JR2501
Brand: GSD
Series Model: \
Model Difference: \
Sample Received Date: Aug. 25, 2026
Sample Status: Normal
Sample ID: 10091315

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR § 1.1307 FCC 47 CFR § 1.1310 FCC 47 CFR § 2.1091	PASS

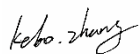
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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR §2.1091 and KDB 447498 D04 v01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<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.: C-20202, G-20240, R-20248 and T-20202) 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 E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202</p>
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4. EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF EUT

EUT Description:	The EUT is a WIFI+BT Module
Series Model:	\
Model Difference:	\

5. REQUIREMENT

5.1. According to 447498 D04 Interim General RF Exposure Guidance v01

MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.¹⁰ For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

MPE-based Exemption

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

CALCULATIONS RESULTS

Operation Band and	Freq. (MHz)	Ant. Gain (dBi)	Tune-up Limit (dBm)	ERP (dBm)	ERP (mW)	Separation Distance (cm)	Threshold (mW)	Ratio of ERP/limit
BT	2402	0.30	8.0	6.2	4.1	20	3060	0.0013
BLE	2402	0.30	8.0	6.2	4.1	20	3060	0.0013
2.4GHz WiFi	2402	3.98	17.0	18.8	76.4	20	3060	0.0250
U-NII-1	5170	4.10	18.0	20.0	98.9	20	3060	0.0323
U-NII-2A	5250	4.26	21.0	23.1	204.6	20	3060	0.0669
U-NII-2C	5490	7.02	21.0	25.9	386.4	20	3060	0.1263
U-NII-3	5735	6.82	21.0	25.7	369.0	20	3060	0.1206

Note:

1. The tune-up limit comes from operation.

SIMULTANEOUS TRANSMISSION ANALYSIS

Simultaneous transmission doesn't exist.

Conclusion:

The calculations of above situations are less than the corresponding limit, RF exposure is compliant.

END OF REPORT