

RF Exposure Evaluation Report

Applicant: Shenzhen United Time technology co., ltd

Address of Applicant: 702, 5-A Building, Software Industrial Base, No.11 Haitian 1st Road, Nanshan District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Smart Watch

Model No.: UT001

Trade mark: Idondrdo

FCC ID: ZXTUT001

Applicable standards: FCC CFR Title 47 Part 2 Subpart J Section 2.1093

Date of sample receipt: 15 Oct., 2021

Date of Test: 16 Oct., to 02 Nov., 2021

Date of report issue: 10 Nov., 2021

Test Result: PASS*

Authorized Signature:



Bruce Zhang

Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	03 Nov., 2021	Original
01	10 Nov., 2021	Update the address of the applicant manufacturer

Tested by: Janet Wei
Test Engineer

Date: 10 Nov., 2021

Reviewed by: Winner Zhang
Project Engineer

Date: 10 Nov., 2021

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4 General Information

4.1 Client Information

Applicant:	Shenzhen United Time technology co., ltd
Address:	702, 5-A Building, Software Industrial Base, No.11 Haitian 1st Road, Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen United Time technology co., ltd
Address:	702, 5-A Building, Software Industrial Base, No.11 Haitian 1st Road, Nanshan District, Shenzhen, China

4.2 General Description of E.U.T.

Product Name:	Smart Watch
Model No.:	UT001
Operation Frequency:	BLE: 2402MHz~2480MHz
Modulation technology:	BLE: GFSK
Antenna Type:	internal Antenna
Antenna gain:	BLE: 2.0 dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Operating Modes

Operating mode	Detail description
BLE mode	Keep the EUT in continuously transmitting in BLE mode

4.4 Additions to, deviations, or exclusions from the method

No

4.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations: ● FCC - Designation No.: CN1211 JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf
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4.6 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info-JYTee@lets.com, Website: http://www.ccis-cb.com

5 Technical Requirements Specification in FCC CFR Title 47 Part 2.1093

5.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

5.2 Result

Worse case for BLE as below:

[2480MHz: 1.336dBm (1.36 mW) output power]

$(1.36 \text{ mW} / 5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 0.136 < 3.0$ for 1-g SAR

5.3 Conclusion

The device is exempt from the SAR test and satisfies RF exposure evaluation.

-----End of report-----