

# RF Exposure Evaluation Report

**Applicant:** Shenzhen Huafurui Technology Co., Ltd.

**Address of Applicant:** Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen, P.R. China

**Equipment Under Test (EUT)**

Product Name: Smartwatch

Model No.: C9

Trade mark: CUBOT, HAFURY

**FCC ID:** 2AHZ5C9

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

**Date of sample receipt:** 27 May, 2021

**Date of Test:** 27 May, to 17 Jun., 2021

**Date of report issue:** 17 Jun., 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          | 17 Jun., 2021 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

Tested by: Mike.ou  
Test Engineer

Date: 17 Jun., 2021

Reviewed by: Winner Zhang  
Project Engineer

Date: 17 Jun., 2021

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## 4 General Information

### 4.1 Client Information

|                       |  |
|-----------------------|--|
| Applicant:            | Shenzhen Huafului Technology Co., Ltd.   |
| Address:              | Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen, P.R. China |
| Manufacturer/Factory: | Shenzhen Huafului Technology Co., Ltd.   |
| Address:              | Unit 1401 &1402, 14/F, Jinqi zhigu mansion (No. 4 building of Chongwen Garden), Crossing of the Liuxian street and Tangling road, Taoyuan street, Nanshan district, Shenzhen, P.R. China |

### 4.2 General Description of E.U.T.

|                        |   |
|------------------------|---|
| Product Name:          | Smartwatch  |
| Model No.:             | C9  |
| Operation Frequency:   | BLE: 2402MHz~2480MHz  |
| Modulation technology: | BLE: GFSK   |
| Antenna Type:          | Internal Antenna  |
| Antenna gain:          | BLE: 1.2 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

|  |
|--|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC - Designation No.: CN1211</b><br/>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.</li> <li>● <b>ISED – CAB identifier.: CN0021</b><br/>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.</li> <li>● <b>A2LA - Registration No.: 4346.01</b><br/>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a></li> </ul> |
|--|

### 4.6 Laboratory Location

|   |
|---|
| <p>JianYan Testing Group Shenzhen Co., Ltd.<br/>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.<br/>Tel: +86-755-23118282, Fax: +86-755-23116366<br/>Email: info-JYTee@lets.com, Website: <a href="http://www.ccis-cb.com">http://www.ccis-cb.com</a></p> |
|---|

## **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  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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: 0.304dBm (1.07 mW) output power]

$(1.07 \text{ mW} / 5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 0.338 < 3.0$  for 1-g SAR

### **5.3 Conclusion**

The device is exempt from the RF exposure evaluation.

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