# TEST 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.: | C7 |
| Trade mark: | CUBOT |
| **Applicable standards:** | EN 62479:2010, EN 50663:2017 |
| **Date of sample receipt:** | 19 Apr., 2021 |
| **Date of Test:** | 20 Apr., to 10 Apr., 2021 |
| **Date of report issue:** | 10 May, 2021 |
| **Test Result:** | PASS* |

* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to health contained in Directive 2014/35/EU are considered.

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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

## 2 Version

| Version No. | Date | Description |
|---|---|---|
| *00* | *10 May, 2021* | *Original* |
| | | |
| | | |
| | | |
| | | |

***Tested by:*** Carey Chen ***Date:*** *10 May, 2021*

***Test Engineer***

***Reviewed by:*** Winner Zhang ***Date:*** *10 May, 2021*

***Project Engineer***

# 3 Contents

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# 4 General Information

## 4.1 Client Information

| | |
|---|---|
| Applicant: | Shenzhen Huafurui 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: | Shenzhen Huafurui 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.: | C7 |
| Hardware version: | V002845 |
| Software version: | V003137 |
| BLE Specification | |
| Operation Frequency: | 2402MHz-2480MHz |
| Channel number: | 40 |
| Channel separation: | 2MHz |
| Modulation | GFSK |
| Antenna Type: | Internal Antenna |
| Antenna gain: | 1 .2dBi (declare by Applicant) |

## 4.3 Test Mode

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

## 4.4 Description of Support Units

The EUT has been tested as an independent unit.

## 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 17025:2005 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

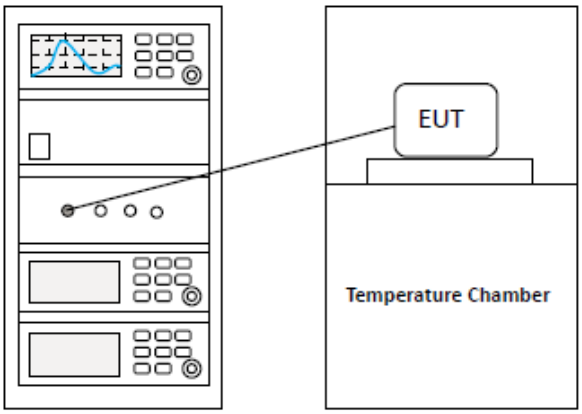
## 4.6 Laboratory Location

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@ccis-cb.com, Website: http://www.ccis-cb.com

## 4.7 Test Instruments list

| Conducted method: | | | | | |
|---|---|---|---|---|---|
| **Test Equipment** | **Manufacturer** | **Model No.** | **Serial No.** | **Cal. Date (mm-dd-yy)** | **Cal. Due date (mm-dd-yy)** |
| Spectrum Analyzer | Agilent | N9020A | MY50510123 | 11-18-2020 | 11-17-2021 |
| Vector Signal Generator | Agilent | N5182A | MY49060014 | 11-18-2020 | 11-17-2021 |
| Signal Generator | R&S | SMR20 | 1008100050 | 03-05-2021 | 03-04-2022 |
| Power Sensor | D.A.R.E | RPR3006W | 17I00015SNO27 | 11-25-2020 | 11-24-2021 |
| Power Sensor | D.A.R.E | RPR3006W | 17I00015SNO28 | 11-25-2020 | 11-24-2021 |
| RF Switch Unit | Ascentest | AT890-RFB | N/A | N/A | N/A |
| Test Software | MWRFTEST | MTS 8310 | Version: 2.0.0.0 | | |

# 5 Technical Requirements Specification

| | |
|---|---|
| Test standard: | EN 62479 |
| Limit: | 20mW |
| Test setup: |  |
| Test procedure: | 1. Use a fast power sensor suitable for 2,4 GHz and capable of 1 MS/s.<br>2. Connect the power sensor to the transmit port, sample the transmit signal and store the raw data, every channel 25 bursts.Usethese stored samples in all following steps.<br>3. Find the start and stop times of each burst in the stored measurement samples.<br>4. Between the start and stop times of each individual burst calculate the RMS power over the burst. Save thesePburst values, as well as the start and stop times for each burst.<br>5. The highest of all $P_{burst}$ values (value "A" in dBm) will be used for maximum e.i.r.p. calculations.<br>6. Add the (stated) antenna assembly gain "G" in dBi of the individual antenna. The RF Output Power (P) shall be calculated using the formula below:P = A + G |
| Test Instruments: | Refer to section 4.7 for details |
| Test mode: | Refer to section 4.3 for details |
| Test Result: | Pass |

**Measurement Data**

| Modulation | EIRP Level (dBm) | EIRP Level (mW) | Limit (mW) | Result |
|---|---|---|---|---|
| **Maximum Emissions Level of BLE** | | | | |
| 2402 | 1.61 | 1.45 | 20 | Pass |
| 2442 | 2.32 | 1.71 | 20 | Pass |
| 2480 | 2.58 | 1.81 | 20 | Pass |

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