

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.: C9

Trade mark: CUBOT/ HAFURY

Applicable standards: EN 62479:2010, EN 50663:2017

Date of sample receipt: 27 May, 2021

Date of Test: 28 May, to 17 Jun., 2021

Date of report issue: 23 Jun., 2021

Test Result: PASS*

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

The UKCA mark as shown below can be used, under the responsibility of the manufacturer, after completion of an UKCA Declaration of Conformity and compliance with all relevant UK Radio Equipment Regulations (SI 2017/1206) Directives. The protection requirements with respect to electromagnetic compatibility contained in UK Radio Equipment Regulations (SI 2017/1206) are considered.



Bruce Zhang

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	23 Jun., 2021	Original

Tested by: Mike.ou
Test Engineer

Date: 23 Jun., 2021

Reviewed by: Winner Zhang
Project Engineer

Date: 23 Jun., 2021

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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/ Factory:	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.:	C9
Hardware version:	V003075
Software version:	V003531
BLE Specification	
Operation Frequency:	2402MHz-2480MHz
Channel number:	40
Channel separation:	2MHz
Modulation	GFSK
Antenna Type:	Internal Antenna
Antenna gain:	1.2 dBi (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.

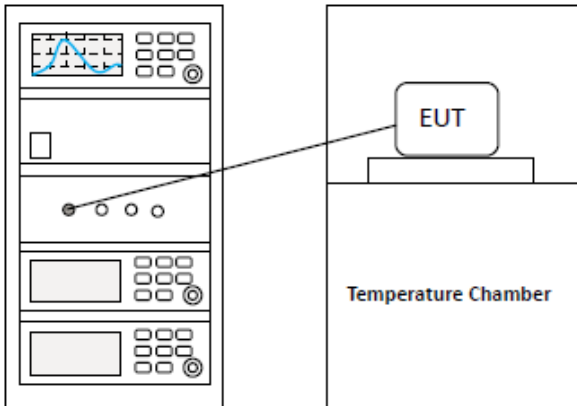
Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.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	MWRFTTEST	MTS 8310	Version: 2.0.0.0		

5 Technical Requirements Specification

Test standard:	EN 62479
Limit:	20mW
Test setup:	 <p>The diagram illustrates the test setup. On the left, a power sensor is shown with a blue waveform on its display. A line connects the sensor to the EUT (Equipment Under Test) inside a Temperature Chamber on the right.</p>
Test procedure:	<ol style="list-style-type: none"> 1. Use a fast power sensor suitable for 2,4 GHz and capable of 1 MS/s. 2. Connect the power sensor to the transmit port, sample the transmit signal and store the raw data, every channel 25 bursts. Use these stored samples in all following steps. 3. Find the start and stop times of each burst in the stored measurement samples. 4. Between the start and stop times of each individual burst calculate the RMS power over the burst. Save these P_{burst} values, as well as the start and stop times for each burst. 5. The highest of all P_{burst} values (value "A" in dBm) will be used for maximum e.i.r.p. calculations. 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				
2480	1.49	1.41	20	Pass

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