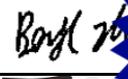
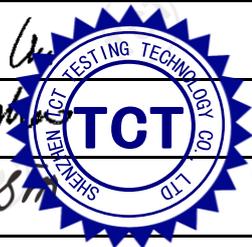


# EMF Exposure Report

|  |  |   |
|--|--|---|
| Test Report No..... :                  | TCT231117E018  |   |
| Date of issue..... :                   | Dec. 28, 2023  |   |
| Testing laboratory .....               | Shenzhen TCT Testing Technology Co., Ltd.  |   |
| Testing location/ address:             | 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China  |   |
| Applicant's name..... :                | Shenzhen Huafurui Technology Co., Ltd.   |   |
| Address..... :                         | Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China |   |
| Manufacturer's name ... :              | Shenzhen Huafurui Technology Co., Ltd.   |   |
| Address..... :                         | Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China |   |
| Standard(s) .....                      | EN 50663:2017; EN 62479:2010   |   |
| Product Name..... :                    | Smartphone   |   |
| Trade Mark .....                       | CUBOT  |   |
| Model/Type reference..... :            | A1   |   |
| Rating(s)..... :                       | Refer to EUT description of page 3   |   |
| Date of receipt of test item .....     | Nov. 17, 2023  |   |
| Date (s) of performance of test..... : | Nov. 17, 2023 - Dec. 28, 2023  |   |
| Tested by (+signature) ... :           | Rleo LIU   |  |
| Check by (+signature).... :            | Beryl ZHAO   |  |
| Approved by (+signature):              | Tomsin   |  |



**General disclaimer:**

This report shall not be reproduced except in full, without the written approval of Shenzhen TCT Testing Technology Co., Ltd.. This document may be altered or revised by Shenzhen TCT Testing Technology Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

**TABLE OF CONTENTS**

**1. General Product Information ..... 3**  
    1.1. EUT description ..... 3  
    1.2. Model(s) list..... 3  
**2. General Information..... 4**  
    2.1. Test environment and mode..... 4  
    2.2. Description of Support Units..... 4  
    2.3. Test Instruments List ..... 4  
**3. Facilities and Accreditations ..... 5**  
    3.1. Facilities ..... 5  
    3.2. Location ..... 5  
    3.3. Measurement Uncertainty..... 5  
**4. Technical Requirements Specification ..... 6**

## 1. General Product Information

### 1.1. EUT description

|                             |  |
|-----------------------------|--|
| Product Name.....:          | Smartphone   |
| Model/Type reference.....:  | A1   |
| Hardware Version.....:      | E97C_V1.0X   |
| Software Version.....:      | CUBOT_A1_E041_V01  |
| Operation Frequency .....   | 2402MHz~2480MHz  |
| Modulation Technology ..... | For BT: GFSK, $\pi/4$ -DQPSK, 8DPSK<br>For BLE: GFSK   |
| Antenna Type.....:          | Internal Antenna   |
| Antenna Gain.....:          | 1.6dBi   |
| Rating(s).....:             | Adapter Information:<br>Model: HJ-0502000W2-EU<br>Input: AC 100–240 V, 50/ 60 Hz, 0.3 A<br>Output: DC 5.0 V, 2.0 A<br>Output Power: 10.0 W<br>Rechargeable Li-ion Battery DC 3.87V |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

None.

## 2. General Information

### 2.1. Test environment and mode

|                       |  |
|-----------------------|--|
| Item                  | Normal condition                                   |
| Temperature           | +25°C  |
| Voltage               | DC 3.87V   |
| Humidity              | 56%  |
| Atmospheric Pressure: | 1008 mbar  |
| <b>Test Mode:</b>     |  |
| Transmitting Mode:    | Keep the EUT in transmitting mode with modulation. |

### 2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| /         | /         | /          | /      | /          |

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

### 2.3. Test Instruments List

| Conducted Emission |           |              |               |               |
|--------------------|-----------|--------------|---------------|---------------|
| Name               | Model No. | Manufacturer | Date of Cal.  | Due Date      |
| Spectrum Analyzer  | N9020A    | Agilent      | Jun. 29, 2023 | Jun. 28, 2024 |
| Signal Generator   | N5182A    | Agilent      | Jun. 29, 2023 | Jun. 28, 2024 |

### 3. Facilities and Accreditations

#### 3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

#### 3.2. Location

Shenzhen TCT Testing Technology Co., Ltd.

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

#### 3.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| No. | Item                                    | MU                        |
|-----|---|---------------------------|
| 1   | Temperature                             | $\pm 0.1^{\circ}\text{C}$ |
| 2   | Humidity                                | $\pm 1.0\%$               |
| 3   | Spurious Emissions, Conducted           | $\pm 3.10\text{ dB}$      |
| 4   | All emissions, radiated(<1 GHz)         | $\pm 4.56\text{ dB}$      |
| 5   | All emissions, radiated(1 GHz - 18 GHz) | $\pm 4.22\text{ dB}$      |

## 4. Technical Requirements Specification

|                          |  |                |           |
|--------------------------|--|----------------|-----------|
| <b>Test Requirement:</b> | EN 50663   |                |           |
| <b>Limit:</b>            | Exposure tier  | Region of body | Pmax (mW) |
|                          | General public   | Head and trunk | 20        |
|                          |  | Limbs          | 40        |
| <b>Test Setup:</b>       | <pre> graph TD     PS[Power Supply] --- EUT[EUT]     EUT --- CB[Combiner Box]     CB --- PSB[Power Sensor Box]     PC[PC] --- K[Keyboard]     PC --- M[mouse]     PC --- S[Spectrum]     VSG1[VSG] --- PC     VSG2[VSG] --- PC     </pre>  |                |           |
| <b>Test Procedure</b>    | <p><b>Step 1:</b><br/>Use a fast power sensor suitable for 2,4 GHz and capable of 1 MS/s.<br/>Use the following settings:</p> <ul style="list-style-type: none"> <li>- Sample speed 1 MS/s or faster.</li> <li>- The samples must represent the power of the signal.</li> <li>- Measurement duration: For non-adaptive equipment: equal to the observation period defined in clauses 4.3.1.2.1 or 4.3.2.3.1. For adaptive equipment, the measurement duration shall be long enough to ensure a minimum number of bursts (at least 10) are captured.</li> </ul> <p><b>Note 1:</b> For adaptive equipment, to increase the measurement accuracy, a higher number of bursts may be used.</p> <p><b>Step 2:</b><br/>For conducted measurements on devices with one transmit chain:<br/>-Connect the power sensor to the transmit port, sample the transmit signal and store the raw data. Use these stored samples in all following steps.<br/>For conducted measurements on devices with multiple transmit chains:<br/>-Connect one power sensor to each transmit port for a synchronous measurement on all transmits ports.<br/>-Trigger the power sensors so that they start sampling at the same time. Make sure the time difference between the samples of all sensors is less than half the time between two samples.<br/>-For each instant in time, sum the power of the individual samples of all ports and store them. Use these stored samples in all following steps.</p> <p><b>Step 3:</b></p> |                |           |

|                         |  |
|-------------------------|--|
|                         | <p>Find the start and stop times of each burst in the stored measurement samples.</p> <p><b>Note 2:</b> The start and stop times are defined as the points where the power is at least 20 dB below the RMS burst power calculated in step 4.</p> <p><b>Step 4:</b><br/>Between the start and stop times of each individual burst calculate the RMS power over the burst. Save these Pburst values, as well as the start and stop times for each burst.</p> <p><b>Step 5:</b><br/>The highest of all Pburst values (value "A" in dBm) will be used for maximum e.i.r.p. calculations.</p> <p><b>Step 6:</b><br/>Add the (stated) antenna assembly gain "G" in dBi of the individual antenna.<br/>If applicable, add the additional beamforming gain "Y" in dB.<br/>If more than one antenna assembly is intended for this power setting, the maximum overall antenna gain (G or G + Y) shall be used.<br/>The RF Output Power (P) shall be calculated using the formula below:<br/><math>P = A + G + Y</math></p> |
| <b>Test Instrument:</b> | Refer to section 2.3 for details   |
| <b>Test Mode:</b>       | Refer to section 2.1 for details   |
| <b>Test Results:</b>    | PASS   |

**4.1.1. Test Data**

For BDR+EDR

| Maximum Emissions Level |                  |                |            |        |
|-------------------------|------------------|----------------|------------|--------|
| Modulation              | EIRP Level (dBm) | EIRP Level(mW) | Limit (mW) | Result |
| GFSK                    | 6.32             | 4.29           | 20         | PASS   |
| Pi/4 DQPSK              | 4.98             | 3.24           |            |        |
| 8DPSK                   | 5.29             | 3.38           |            |        |

For BLE (1M)

| Maximum Emissions Level |                  |                |            |        |
|-------------------------|------------------|----------------|------------|--------|
| Frequency(MHz)          | EIRP Level (dBm) | EIRP Level(mW) | Limit (mW) | Result |
| <b>GFSK Mode</b>        |                  |                |            |        |
| 2402                    | -2.14            | 0.61           | 20         | PASS   |
| 2440                    | -2.89            | 0.51           |            |        |
| 2480                    | -3.62            | 0.43           |            |        |

**Note:** PASS means EUT complies with the essential requirements in the standard.

**\*\*\*\*\*END OF REPORT\*\*\*\*\***