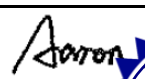


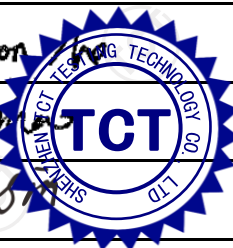


# EN IEC 62311:2020 Report

Test Report No..... :	TCT250324E053	
Date of issue..... :	Jun. 16, 2025	
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 IEC 62311:2020	
Product Name..... :	Smartphone	
Trade Mark .....	CUBOT	
Model/Type reference..... :	X100	
Rating(s)..... :	Refer to EUT description of page 3	
Date of receipt of test item .....	Mar. 24, 2025	
Date (s) of performance of test..... :	Mar. 24, 2025 ~ Jun. 16, 2025	
Tested by (+signature) ... :	Aaron MO	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	

**General disclaimer:**

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## 1. General Product Information

### 1.1. EUT description

Product Name.....:	Smartphone
Model/Type reference.....:	X100
Hardware Version.....:	3370V-MQ V1
Software Version .....	CUBOT_X100_F031C_V01
Operation Frequency .....	13.56MHz
Antenna Type.....:	FPC Antenna
Rating(s).....:	Adapter Information 1: Model: TD-203G200170VF01 Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 5V, 3A/ DC 9V, 3A/ DC 12V, 2.5A/ DC 15V, 2A/ DC 20V, 1.5A PPS: DC 3.3-16V, 2A/ DC 3.3-11V, 3A Total Output Power: 33W Max Adapter Information 2: Model: HJ-PD33W-EU Input: AC 100-240V, 50/60Hz, 0.8A Output: DC 5.0V, 3.0A, 15.0W or DC 9.0V, 3.0A, 27.0W or DC 12.0V, 2.75A, 33.0W MAX Rechargeable Li-polymer 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
Test Mode:	
Operational 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
Exposure Level Tester	EHP-200A	Narda	Jun. 29, 2024	Jun. 28, 2025

### 3. Test Facilities

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

### 4. 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	$\pm 0.1\text{ }^{\circ}\text{C}$
2	Humidity	$\pm 1.0\text{ }\%$
3	All emissions, radiated(<1 GHz)	$\pm 4.56\text{ dB}$

## 5. Technical Requirements Specification in EN IEC 62311

Test Requirement:	EN IEC 62311																																																												
Limit:	<div>Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)</div> <table><tr><th>Frequency range</th><th>E-field strength (V/m)</th><th>H-field strength (A/m)</th><th>B-field (μT)</th><th>Equivalent plane wave power density <math>S_{eq}</math> (W/m<sup>2</sup>)</th></tr><tr><td>0-1 Hz</td><td>—</td><td><math>3,2 \times 10^4</math></td><td><math>4 \times 10^4</math></td><td>—</td></tr><tr><td>1-8 Hz</td><td>10 000</td><td><math>3,2 \times 10^4/f</math></td><td><math>4 \times 10^4/f^2</math></td><td>—</td></tr><tr><td>8-25 Hz</td><td>10 000</td><td><math>4\,000/f</math></td><td><math>5\,000/f</math></td><td>—</td></tr><tr><td>0,025-0,8 kHz</td><td><math>250/f</math></td><td><math>4/f</math></td><td><math>5/f</math></td><td>—</td></tr><tr><td>0,8-3 kHz</td><td><math>250/f</math></td><td>5</td><td>6,25</td><td>—</td></tr><tr><td>3-150 kHz</td><td>87</td><td>5</td><td>6,25</td><td>—</td></tr><tr><td>0,15-1 MHz</td><td>87</td><td><math>0,73/f</math></td><td><math>0,92/f</math></td><td>—</td></tr><tr><td>1-10 MHz</td><td><math>87/f^{1/2}</math></td><td><math>0,73/f</math></td><td><math>0,92/f</math></td><td>—</td></tr><tr><td>10-400 MHz</td><td>28</td><td>0,073</td><td>0,092</td><td>2</td></tr><tr><td>400-2 000 MHz</td><td><math>1,375 f^{1/2}</math></td><td><math>0,0037 f^{1/2}</math></td><td><math>0,0046 f^{1/2}</math></td><td><math>f/200</math></td></tr><tr><td>2-300 GHz</td><td>61</td><td>0,16</td><td>0,20</td><td>10</td></tr></table> <div>Notes: 1. <math>f</math> as indicated in the frequency range column. 2. For frequencies between 100 kHz and 10 GHz, <math>S_{eq}</math>, <math>E_2</math>, <math>H_2</math>, and <math>B_2</math> are to be averaged over any six-minute period. 3. For frequencies exceeding 10 GHz, <math>S_{eq}</math>, <math>E_2</math>, <math>H_2</math>, and <math>B_2</math> are to be averaged over any <math>68/f^{1.05}</math> -minute period (<math>f</math> in GHz). 4. No E-field value is provided for frequencies &lt; 1 Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 25 kV/m. Spark discharges causing stress or annoyance should be avoided.</div>	Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density $S_{eq}$ (W/m <sup>2</sup> )	0-1 Hz	—	$3,2 \times 10^4$	$4 \times 10^4$	—	1-8 Hz	10 000	$3,2 \times 10^4/f$	$4 \times 10^4/f^2$	—	8-25 Hz	10 000	$4\,000/f$	$5\,000/f$	—	0,025-0,8 kHz	$250/f$	$4/f$	$5/f$	—	0,8-3 kHz	$250/f$	5	6,25	—	3-150 kHz	87	5	6,25	—	0,15-1 MHz	87	$0,73/f$	$0,92/f$	—	1-10 MHz	$87/f^{1/2}$	$0,73/f$	$0,92/f$	—	10-400 MHz	28	0,073	0,092	2	400-2 000 MHz	$1,375 f^{1/2}$	$0,0037 f^{1/2}$	$0,0046 f^{1/2}$	$f/200$	2-300 GHz	61	0,16	0,20	10
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2-300 GHz	61	0,16	0,20	10																																																									
Test Setup:	<div></div> <div>Note: Measurements should be made from all sides and the top of the primary/client pair, with the 10cm measured from the center of the probe(s) to the edge of the device.</div>																																																												
Test Procedure	<div>1. The RF exposure test was performed in anechoic chamber.</div> <div>2. The measurement probe was placed at test distance (10cm) which is between the edge of the charger and the geometric center of probe.</div> <div>3. The highest emission level was recorded and compared with limit as soon as measurement of each</div>																																																												

	points (A, B, C) were completed.
<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

**5.1.1. Test Data****H-Filed Strength at 10 cm from the edges surrounding the EUT (A/m)**

Frequency Range (MHz)	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Result (A/m)	Limits Test (A/m)
13.56	0.04	0.05	0.02	0.067	0.073

$$H = \sqrt{A^2 + B^2 + C^2} = \sqrt{0.04^2 + 0.05^2 + 0.02^2} \text{ A/m} = 0.067 \text{ A/m}$$

Limit = 0.073 A/m

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