



# TEST REPORT

On Behalf of

Shenzhen HongXun Electronic Co., Ltd

2118, Fuchi Building, the intersection of Yousong Road and Donghuan 2nd Road,  
Fukang Community, Longhua Street, Longhua District, Shenzhen, Guangdong

Tablet PC

Model: T20

**Test Standards** : COMMISSION DELEGATED REGULATION (EU) 2023/1669 of  
16 June 2023 supplementing Regulation (EU) 2017/1369 of the  
European Parliament and of the Council with regard to the energy  
labelling of smartphones and slate tablets

**Report Number** : GVT250605108E

**Test Date** : June. 05 - June.10, 2025

**Date of Report** : June.10, 2025

**Prepared By** : **ShenZhen GVT Testing Technology Co., Ltd.**  
Room 504, Unit 1, Building 4, Zhaofuda Industrial Zone, Hongqiaotou  
Community, Yanluo Street, Bao 'an District, Shenzhen, Guangdong, China.

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## TEST REPORT

Report reference No..... : GVT250605108E

Date of Issue..... : June.10, 2025

### Testing laboratory

Testing Laboratory Name... : ShenZhen GVT Testing Technology Co., Ltd.

Address..... : Room 504, Unit 1, Building 4, Zhaofuda Industrial Zone, Hongqiaotou Community, Yanluo Street, Bao 'an District, Shenzhen, Guangdong, China.

Test location..... : (Same as above)

### Client

Name..... : Shenzhen HongXun Electronic Co., Ltd

Address..... : 2118, Fuchi Building, the intersection of Yousong Road and Donghuan 2nd Road, Fukang Community, Longhua Street, Longhua District, Shenzhen, Guangdong

Test specification..... COMMISSION DELEGATED REGULATION (EU) 2023/1669 of 16 June 2023 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to the energy labelling of smartphones and slate tablets

### Test item

Description..... : Tablet PC

Model No. .... : T20

Other Models..... : /

Trade Mark..... : KINGRID

Manufacturer..... : Shenzhen HongXun Electronic Co., Ltd

Address..... : 2118, Fuchi Building, the intersection of Yousong Road and Donghuan 2nd Road, Fukang Community, Longhua Street, Longhua District, Shenzhen, Guangdong

Rating(s)..... : 5V $\overline{\text{---}}$ ,2A

Model Difference: /



**Particulars: test item vs. test requirements**

Classification of installation and use..... : Class III

Supply Connection..... : External power supply

**Possible test case verdicts:**

- test case does not apply to the test object..... : N(N/A)

- test object does meet the requirement..... : P(Pass)

- test object does not meet the requirement..... : F(Fail)

**General remarks:**

The test results presented in this report relate only to the object tested.

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Laboratory GVT. The authenticity of this Test Report and its contents can be verified by contacting GVT, responsible for this Test Report.

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.**General product information:**

- This products is Tablet PC, class III produce.

- Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

-The product was submitted and tested for use at the ambient temperature (Tma) of  $23 \pm 5$  °C.**Summary of testing:**

This report verifies COMMISSION DELEGATED REGULATION (EU) 2023/1669 of 16 June 2023 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to the energy labelling of smartphones and slate tablets

**Testing procedure and testing location**

Laboratory name..... : ShenZhen GVT Testing Technology Co., Ltd.

Testing location/address: : Room 504, Unit 1, Building 4, Zhaofuda Industrial Zone, Hongqiaotou Community, Yanluo Street, Bao 'an District, Shenzhen, Guangdong, China.

Testing procedure : TL ☐ RMT ☐ SMT ☐ WMT ☐ TMP ☐

Tested By

(Test Engineer)

: Keith Zhu

*Keith Zhu*

Reviewed By

(Supervisor)

: Clare Wen

*Clare Wen*

Approved By

(Chief Engineer)

: Peter Chen



**Smartphones and slate tablets shall be tested for battery endurance per cycle with the following test settings, starting the test with a fully charged battery:**

Table	<p>General device settings and configuration:</p> <p>(1) an application shall be installed on the device to embed the test scenario and the needed contents used during the testing;</p> <p>(2) all applications shall be closed (except required system applications);</p> <p>(3) no specific user account (e.g. Google or Apple ID) shall be needed to perform the test;</p> <p>(4) the web browser used during the testing shall be the native OS browser of the device;</p> <p>(5) power saving features shall be disabled before starting the testing;</p> <p>(6) no accessory shall be connected to the device;</p> <p>(7) for Dual-SIM devices, only one SIM card shall be inserted; for Dual-SIM devices with eSIM, eSIM shall be switched off; for devices with eSIM only, eSIM shall be used;</p> <p>(8) brightness shall be set at 200cd/m<sup>2</sup> using an external equipment to ensure this setting;</p> <p>(9) auto brightness shall be switched off and the refresh rate shall be set at the default value;</p> <p>(10) darkmode shall be disabled;</p> <p>(11) all audio volumes (call and media) shall be set at 75 dBA at a defined distance using an external equipment to ensure this setting. The audio volume shall be set using a sound level meter at 20 cm from the front (screen) of the device;</p> <p>(12) speaker to be used during video shall be the one set in the default setting of the device;</p> <p>(13) during the call, the application shall ensure that the screen is off, no specific simulation of the proximity sensor shall be required;</p> <p>(14) any network simulator may be used, if capable of supporting the required settings; the specific contents (video, web pages, files) shall be uploaded on the simulator.</p>
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Table : Battery endurance per cycle		P
Test sequence:		
From 100 % battery charge level to power off: repeat a cycle of:		
For smart phones:	For slate tablets:	
—Phone call (4 min);	—Gaming (5 min);	
—Idle (30 min);	—Idle (66 min);	
—Web browsing (9 min);	—Web browsing (11 min);	
—Idle (30 min);	—Idle (66 min);	
—Video streaming (4 min);	—Video streaming (6 min);	
—Gaming (1 min);	—Idle (66 min);	
—Idle (30 min);	—Data transfer: http upload and download (2 min);	
—Data transfer: http upload and download (8 min);	—Idle (66 min);	
—Idle (30 min);	—Video playback (6 min);	
—Video playback (4 min);	—Idle (66 min);	
When device powers off: Terminate test.		



Endurance tested (END <sub>Device</sub> ):	77	h	22	min	=	77.36	h
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The battery endurance (END<sub>device</sub>) in hours equals to the execution time of the specified test sequence:

$$END_{device} = END_{test}$$

where END<sub>test</sub> is the run-time of the test in hours, rounded to two decimal places.

## Energy efficiency index (EEI)

### 1.EEI:

$$EEI = \frac{END_{Device}}{U_{nom} \times C_{rated}} \times 1000$$

- EEI is the Energy Efficiency Index in 1/W;
- U<sub>nom</sub> is the nominal voltage in V;
- C<sub>rated</sub> is the rated battery capacity in mAh.

### 2.Energy Efficiency Class:

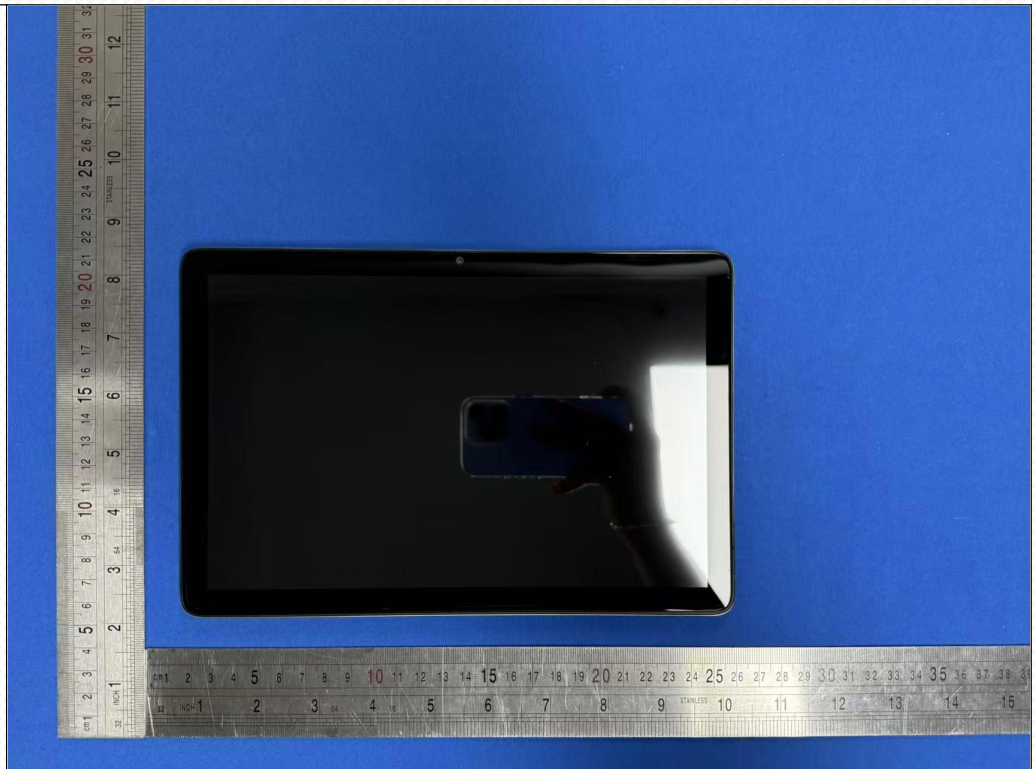
Energy efficiency classes of smartphones		Energy efficiency classes of slate tablets	
Energy Efficiency Class	Energy Efficiency Index (EEI)	Energy Efficiency Class	Energy Efficiency Index (EEI)
A (most efficient)	EEI > 2,70	A (most efficient)	EEI > 7,90
B	2,30 < EEI ≤ 2,70	B	6,32 < EEI ≤ 7,90
C	1,95 < EEI ≤ 2,30	C	5,06 < EEI ≤ 6,32
D	1,66 < EEI ≤ 1,95	D	4,04 < EEI ≤ 5,06
E	1,41 < EEI ≤ 1,66	E	3,24 < EEI ≤ 4,04
F	1,20 < EEI ≤ 1,41	F	2,59 < EEI ≤ 3,24
G(least efficient)	EEI ≤ 1,20	G(least efficient)	EEI ≤ 2,59
EEI:	4.07		
Energy Efficiency Class:	D		

## Photo Documentation

### Photo 1

View:

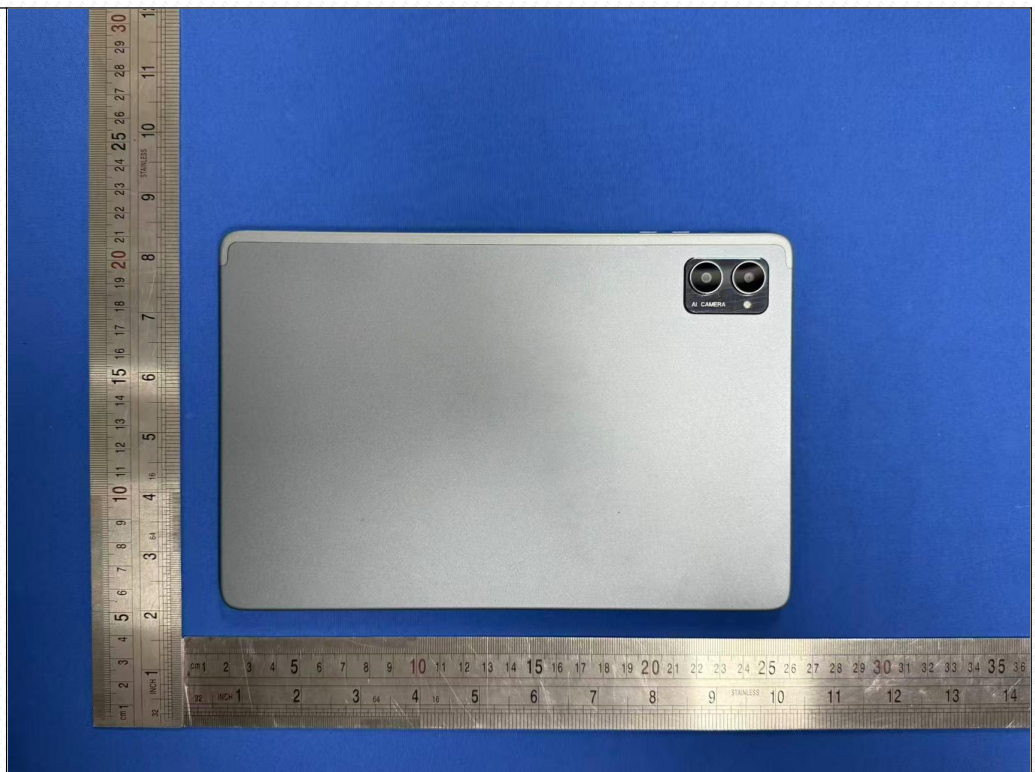
- ☐ front
- ☐ rear
- ☐ right side
- ☐ left side
- ☐ top
- ☐ bottom
- ☐ internal



### Photo 2

View:

- ☐ front
- ☐ rear
- ☐ right side
- ☐ left side
- ☐ top
- ☐ bottom
- ☐ internal



\*\*\*End of Report\*\*\*