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## Shenzhen ORT Technical Services Co., Ltd.

# **TEST REPORT**

1	URI .	Report N ORTSZ24083		Think the state of the second	
Sample Name:	Smartphone	V	Applicant:	Shenzhen Hu Technology C	
Model:	KINGKONG	POWER 3	Address:	Jiaxian Road Community, I	
Spec:	Black		Vendor or Supplier:	Shenzhen Huafurui Technology Co., Ltd.	
Brand:	сивот	and the second se	Address:	The same as	above
Sample Quantity	: 6 Pcs	DK.	Manufacturer:	Shenzhen Hu Technology C	
Specimen Sourc	e: Submitted by	y applicant	Address:	The same as above	
Received Date:	2024.09.01	Detection Date:	2024.09.02~ 2023.09.05	Report Date:	2024.09.07
Test Requiremer	nt: For further d	letails, please ref	fer to the followin	ig page(s).	
Test Item:			B.IP6X Test; 4.IPX		ion Test;
Decision Rules:	For further d	letails, please ref	er to the following page(s).		
Test Conclusion	: Details see t	he summary of t	est results on the	e next page.	
Tested By: Signature:	Li WenFeng	Date: 2024-09-07		The State State	
Checked By:	Lonny Chen	Date:		TIRI	
Signature:	Lonny Chon			ORT Technical S	Services Co., Lt
Approved By:	Makoto. Wu	Date:	Set In	2024-09-07	



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## I Testing Overview

## **1.Sample information**

Name		A Contract of the second	Model	State and	Quantity	. 7	<u>م</u>	Sample No.	
Smartph	one	KINGKO	NG POWER 3	othics.	6Pcs	AND ANTIMATO	1 SEMICE	1#~6#	as the filler
						Se			A LE STO MARCO

## 2.Summary of test results

NI O	Test record	Toot itom	Sa	ample test results	
No.	Test record	Test item	PASS	FAIL	N/A
1	Page 3 of this report	IPX9K Test	PASS	and the second	/
2	Page 3 of this report	IP6KX Test	PASS		
3	Page 4 of this report	IP6X Test	PASS	1	o®
4	Page 5 of this report	IPX8 Test	PASS	/	1
5	Page 6 of this report	Vibration Test	PASS	/	/
6	Page 6 of this report	Drop Test	PASS	1-10 March	/
7	Page 7 of this report	Combined Temperature and Shock Test	PASS	The second second	I RE

Note:1. "PASS" means Conformity Rule, "FAIL" means Nonconformity Rule, and "N/A" means Not Applicable.

2. When customers have no Decision Rule requirements for Test setup, P.T.O For test records and test results.

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Report Date: 2024.09.07

#### II Test Records

#### 1 Test Item: IPX9K Test

## 1.1 Test Equipment:

				and the second se	
No.	Name	Model No.	Equipment No.	Calibration Validity	THE THE REAL PROPERTY
1	High Temperature and High Pressure Jet Test Machine	TL-IPX9K-1000L	ORT-GYPS-01	2025.06.18	ORT BOTT

1.2 Test Environment: Temperature: 23.6°C; Relative Humidity: 59%RH.

## 1.3 Test Method/Specification: According to ISO 20653:2023.

#### 1.4 Test Conditions:

Rotation speed:	(5±1) r/min;
Spraying angle:	0°, 30°, 60°, 90°;
The distance from nozzle to enclosure surface:	100mm $\sim$ 150mm;
Water flow rate:	(14 $\sim$ 16) L/min;
Water temperature:	(80±5)℃;
Duration:	30s/Position.
1.5 Acceptance Criteria:	the the street

## Directional spray cleaning of the shell in any direction should not cause any damage.

#### 1.6 Test Result:

Sample No.	Inspection after test	Conclusion
1#	The appearance of the sample has no visible damage, the startup function is normal, and there is no water inside.	Pass

#### 2 Test Item: IP6KX Test

#### 2.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	Sand and Dust Test Chamber	TL-SC-1000	ORT-SC1000-01	2025.06.19
2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2025.06.22

2.2 Test Environment: Temperature: 24.5°C; Relative Humidity: 59%RH .

2.3 Test Method/Specification: According to ISO 20653:2023.

## 2.4 Test Conditions:

1) The level of protection indicated by the first characteristic for approaching hazardous components Number, first characteristic number 6 K 1.0mm The test line should not be pierced and sufficient clearance should be maintained.

2) Protection against solid foreign objects represented by the first characteristic number and the first characteristic

number 6 K.



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2.1 Mode dust movement: Air and dust mixing exercise for 6 s, pause for 15min

## 2.2 Test duration: 20 cycles

## 2.5 Acceptance Criteria:

After the test, the sample functions normally, and after disassembly and inspection, there is no dust inside.

## 2.6 Test Result:

Sample No.	Inspection after test	Conclusion
2#	The appearance of the sample has no visible damage, the startup function is	Pass
HUZ#	normal, and there is no dust inside.	Fass

#### 3 Test Item: IP6X Test

#### 3.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1 on the	Sand and Dust Test Chamber	TL-SC-1000	ORT-SC1000-01	2025.06.19
2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2025.06.22

3.2 Test Environment: Temperature: 23.2°C ;Relative Humidity: 60%RH.

## 3.3 Test Method/Specification: According to IEC 60529:1989/AMD2:2013/COR1:2019.

## 3.4 Test Conditions:

1) Degrees of protection against access to hazardous parts:

The test wire of  $\Phi$ 1.0mm shall not penetrate and adequate clearance shall be kept.

- 2) Degrees of protection against solid foreign objects:
  - 2.1 During the experiment, the dosage of talc powder was 2 kg/m<sup>3</sup>, And test for 8 hours.
  - 2.2 The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is

maintained below the surrounding atmospheric pressure by a vacuum pump. A volume of air 80 times the volume

of the sample enclosure, the extraction rate of 40 volumes per hour, and test 2 hours.

#### 3.5 Acceptance Criteria:

After the test, the sample functions normally, and after disassembly and inspection, there is no dust inside.

#### 3.6 Test Result:

Sample No.	Inspection after test	Conclusion
3#	The appearance of the sample has no visible damage, the startup function is normal, and there is no dust inside.	Pass



## 4 Test Item: IPX8 Test

## 4.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity	]
1	Water Immersion Pressure Tester	TL-IPX8-600	ORT-IPX8-01	2025.06.18	Citate to

4.2 Test Environment: Temperature: 23.1°C; Relative Humidity: 60%RH.

4.3 Test Method/Specification: According to IEC 60529:1989/AMD2:2013/COR1:2019.

## 4.4 Test Conditions:

1) Put the sample into the test device;

- 2) Depth: 1.5 m; Test duration: 30 min;
- 3) The temperature difference between the water and the sample is no more than 5 K.

## 4.5 Acceptance Criteria:

- 1. After testing, check the functionality of the sample and whether there is water ingress inside the casing;
- 2. Continuous immersion in water, if water enters, the amount of water entering the casing should not cause damage to the product.

#### 4.6 Test Result:

Sample No.	Inspection after test	Conclusion
4#	The appearance of the sample has no visible damage, the startup function is normal, and there is no water inside.	Pass

#### 5 Test Item: Vibration Test

#### 5.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
In Durne	Vibration Tester	MPA406/M232A	ORTZD2000-01	2025.06.18

5.2 Test Environment: Temperature: 22.6°C; Relative Humidity: 59%RH.

5.3 Test Method/Specification: According to client's requirements.

#### 5.4 Test Conditions:

Frequency (Hz)	Acceleration (g)	Displacement (mm)	Test axis	Test time
5~14		5.08		De
14~33	2	/		0 h/avia
33~52	Orthon 1	0.91	X, Y, Z axis	2 h/axis
52~500	5	the third and		e

5.5 Acceptance Criteria: After the test, the appearance of the sample is normal and the function is normal.



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## 5.6 Test Result:

Sample No.	Inspection after test	Conclusion
5#	The appearance of the sample is not visible damage, the startup function is normal, and the internal structure is not damaged.	Pass

## 6 Test Item: Drop Test

## 6.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	Drop Tester	LX-DL-315	ORT-DL-01	2025.06.18

## 6.2 Test Environment: Temperature: 23.5°C; Relative Humidity: 60%RH.

## 6.3 Test Method/Specification: According to MIL-STD-810H:2019, Method 516.8.

## 6.4 Test Conditions:

Height of drop:

Number of drop:

Orientation of drop: 6 faces, 8 corners, 12 edges.

122 cm

1 times/orientation, totally 26 times.

Note: Testing with a total mass M<45 Kg is allowed on both test samples.

5# sample for the drop of corners and faces (14 times in total); 6# sample for the drop of edge (12 times in total).

6.5 Acceptance Criteria: After testing, the sample is inspected for appearance and function.

## 6.6 Test Result:

Sample No.	Inspection after test	Conclusion
5#、6#	The appearance of the sample is not visible damage, the startup function is normal, and the internal structure is not damaged.	Pass

## 7 Test Item: Combined Temperature and Shock Test

## 7.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	Rapid Temperature Chang Test Chamber	TH15-1000DHVB	ORTKWB1000-01	2025.06.19
2	Vibration Tester	MPA406/M232A	ORTZD2000-01	2025.06.18

7.2 Test Environment: Temperature: 23.5°C; Relative Humidity: 60%RH.

7.3 Test Method/Specification: According to client's requirements.

## 7.4 Test Conditions:

Shock Test Parameter		Temperature Test Parameter	
Pulse Shape:	Half Sine	AND TO BE AND A	
Peak Acceleration:	30 g		
Pulse Duration:	6 ms	-55℃, 70℃.	
Test Orientation:	±X, ±Y, ±Z axis		

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Test Time: 2 times/axis, 12 times in total.

Note: the sample should stay in the test chamber for 30 min after the shock test, then take out and check.

## 7.5 Acceptance Criteria: After testing, the sample is inspected for appearance and function.

#### 7.6 Test Result:

Sample No.	Inspection after test	Conclusion	the street
6#	The appearance of the sample is not visible damage, the startup function is normal, and the internal structure is not damaged.	Pass	5 <sup>4-1</sup>

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