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# Shenzhen ORT Technical Services Co., Ltd. TEST REPORT

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			ORTSZ2410	17112001-1		The state of the s
Sample Name:		Smartphone		Applicant:	Shenzhen Hu Technology	
Model:	(II)	KINGKONG A	CE 2	Address:	Jiaxian Road Community,	
Spec:		Black+Green		Vendor or Supplier:	Shenzhen Hu Technology	
Brand:		сивот		Address:	The same as	above
Sample Quantit	y:	6 Pcs	(a)	Manufacturer:	Shenzhen Hu Technology	
Specimen Source	ce:	Submitted by	applicant	Address:	The same as	above
Received Date:		2024.10.20	Detection Date:	2024.10.21~ 2024.10.25	Report Date:	2024.10.28
Test Requireme	ent:	For further de	tails, please ref	fer to the followin	g page(s).	
Test Item:				I.IP6X Test; 4.IPX	All Lift admice	tion Test;
Decision Rules:	:	For further det	tails, please ref	fer to the followin	g page(s).	, W <sup>M</sup> 1, W
Test Conclusion	n:	PASS/Details	see the summa	ry of test results	on the next pa	ge.
Tested By:	Li V	WenFeng	Date:			
Signature:	4	wenterg	2024-10-28	Market Control		
Checked By:	Lor	nny Chen	Date:		Hoge Bearing	
Signature:	L	onny chon	2024-10-28	Shenzhen C	ORT Technical	Services Co., Ltd.
Approved By:	Ма	koto. Wu	Date:	A STATE OF THE STA	2024-10-2	8
Signature: Ma		1ksto. Wu 2024-10-28		The state of the s		a de la companya de l
Note: /					Uk.	



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# 1.Sample information

Name	Model	Quantity	Sample No.
Smartphone	KINGKONG ACE 2	6 Pcs	1#~6#

# 2.Summary of test results

No	Toot record	Test item	Sa	ample test results	
No.	Test record	rest item	PASS	FAIL	N/A
1	Page 3 of this report	IPX9K Test	PASS	1	1
2	Page 3 of this report	IP6KX Test	PASS	A STATE OF THE STA	1
3	Page 4 of this report	IP6X Test	PASS	or 1	1
4	Page 5 of this report	IPX8 Test	PASS	1	J. John
5	Page 6 of this report	Vibration Test	PASS	1	1
6	Page 6 of this report	Drop Test	PASS	1	1
7	Page 7 of this report	Combined Temperature and Shock Test	PASS	A STATE OF THE STA	1

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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### **II Test Records**

1 Test Item: IPX9K Test

### 1.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	High Temperature and High Pressure Jet Test Machine	TL-IPX9K-1000L	ORT-GYPS-01	2025.06.18

**1.2 Test Environment:** Temperature: 23.1°C; Relative Humidity: 59%.

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

### 1.4 Test Conditions:

Rotation speed:  $(5\pm1)$  r/min; Spraying angle: 0°, 30°, 60°, 90°; The distance from nozzle to enclosure surface: 100 mm $\sim$ 150 mm; Water flow rate:  $(14\sim16)$  L/min; Water temperature:  $(80\pm5)^{\circ}$ C; Duration: 30 s/Position.

### 1.5 Acceptance Criteria:

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	Pass
	normal, and there is no water inside.	

### 2 Test Item: IP6KX Test

# 2.1 Test Equipment:

, i	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: 23.2°C; Relative Humidity: 60%.

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 1.0mmΦ 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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Mode dust movement: Air and dust mixing exercise for 6 s, pause for 15min

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
2#	normal, and there is no dust inside.	Fa55

3 Test Item: IP6X Test

### 3.1 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

**3.2 Test Environment:** Temperature: 23.5°C; Relative Humidity: 59%.

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 Φ1.0mm 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/m³, 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	Pass
$5\pi$	normal, and there is no dust inside.	F 433



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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

**4.2 Test Environment:** Temperature: 23.5 °C; Relative Humidity: 61%.

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
1	Vibration Tester	MPA406/M232A	ORTZD2000-01	2025.06.18

**5.2 Test Environment:** Temperature: 23.6°C; Relative Humidity: 59%.

**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	Halling I	5.08		
14~33	2	A STAN AND SERVED	V V 7 avia	O b /ovia
33~52	1	0.91	X, Y, Z axis	2 h/axis
52~500	5		ORTIVE	THE K

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	Pass	
ος 3 <del>π</del>	normal, and the internal structure is not damaged.	r ass	

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: 23.7°C; Relative Humidity: 59%.

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

### 6.4 Test Conditions:

Height of drop: 122 cm

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

Number of drop: 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	Pass
311 011	normal, and the internal structure is not damaged.	rass

7 Test Item: Combined Temperature and Shock Test

# 7.1 Test Equipment:

				11117
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: 25.5°C; Relative Humidity: 59%.

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

### 7.4 Test Conditions:



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Shock Test Parameter		Temperature Test Parameter
Pulse Shape:	Half Sine	•
Peak Acceleration:	30 g	
Pulse Duration:	6 ms	<b>-55℃, 70℃</b> .
Test Orientation:	±X, ±Y, ±Z axis	
Test Time:	2 times/axis, 12 times in total.	The House of the State of the S
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
6#	The appearance of the sample is not visible damage, the startup function is	Pass
0#	normal, and the internal structure is not damaged.	F 455



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# III Test photo and test curve:

Test Item 1: IPX9K test (1#)





Fig.1 Power on inspection before test

Fig.2 Appearance inspection before test



Fig.3 Test setup





Fig.6 Appearance inspection after test



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Fig.7 Appearance inspection after test

# Test Item 2: IP6KX Test (2#)

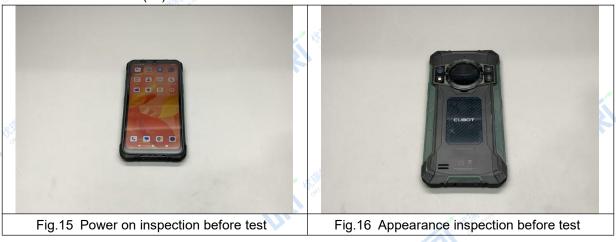




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# Test Item 3: IP6X Test (3#)





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Declaration: The test results of this test report are only responsible for the tested samples. This test report is invalid without special seal for inspection and signature. This report shall not be partially copied without the written permission of ORT testing; The items with "\*" in the report are subcontracted inspection items; Test item that has not obtained qualification recognition or recognition, and is only used for scientific research, teaching or internal quality control; If the client has any objection to the test results, it shall appeal to the lab within 15 days after receiving the report and any late application would not be considered.

Fig.21 Appearance inspection after test



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Test Item 4: IPX8 Test (4#)





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Fig.28 Appearance inspection after test

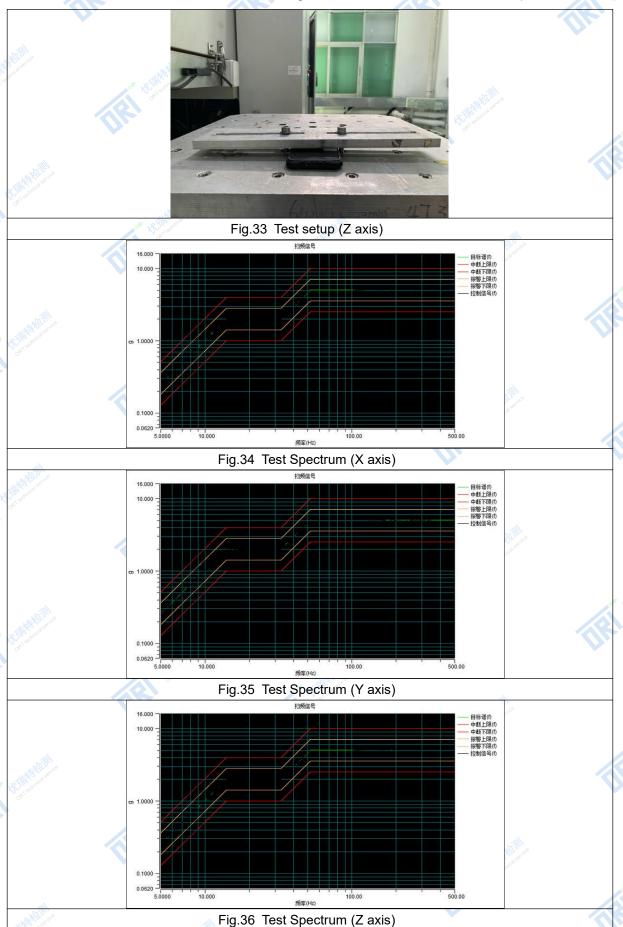
# Test Item 5: Vibration Test (5#)



Fig.31 Test setup (X axis) Fig.32 Test setup (Y axis)



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**Test Item** 6: Drop Test (5#, 6#)





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Fig.42 Test setup- Face (1) - 5#



Fig.43 Test setup- Face (2) - 5#



Fig.44 Test setup- Face (3) - 5#



Fig.45 Test setup- Face (4) - 5#



Fig.46 Test setup- Face (5) - 5#



Fig.47 Test setup- Face (6) - 5#

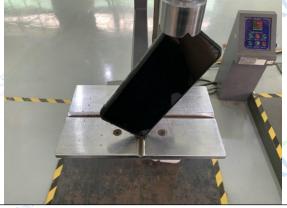


Fig.48 Test setup- Corner (1) - 5#

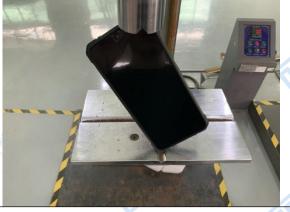
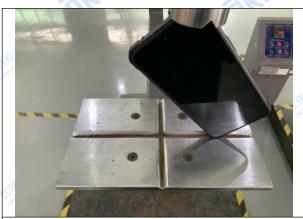
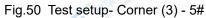


Fig.49 Test setup- Corner (2) - 5#



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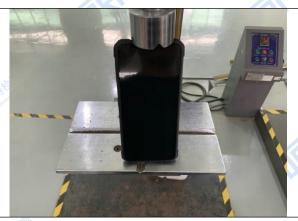


Fig.51 Test setup- Corner (4) - 5#

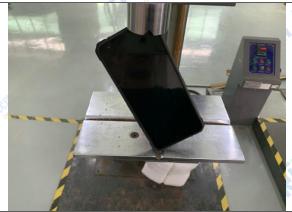


Fig.52 Test setup- Corner (5) - 5#

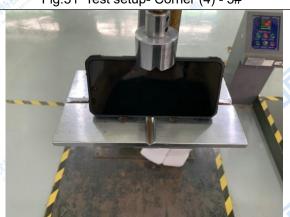


Fig.53 Test setup- Corner (6) - 5#



Fig.54 Test setup- Corner (7) - 5#

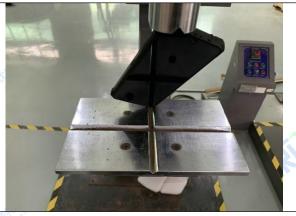


Fig.55 Test setup- Corner (8) - 5#

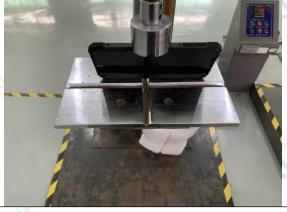


Fig.56 Test setup- Edge (1) - 6#

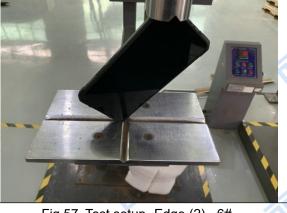


Fig.57 Test setup- Edge (2) - 6#



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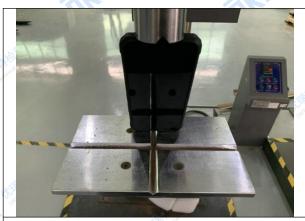


Fig.58 Test setup- Edge (3) - 6#

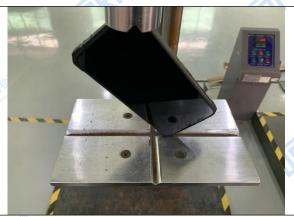


Fig.59 Test setup- Edge (4) - 6#



Fig.60 Test setup- Edge (5) - 6#

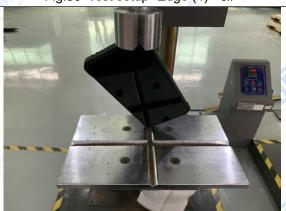


Fig.61 Test setup- Edge (6) - 6#



Fig.62 Test setup- Edge (7) - 6#

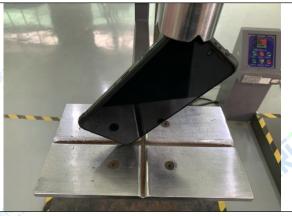


Fig.63 Test setup- Edge (8) - 6#

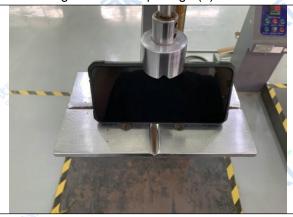


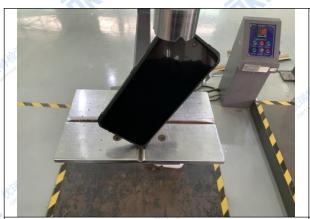
Fig.64 Test setup- Edge (9) - 6#



Fig.65 Test setup- Edge (10) - 6#



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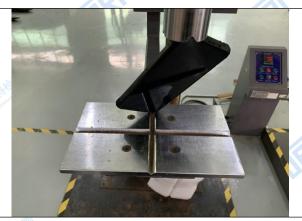


Fig.67 Test setup- Edge (12) - 6#



Fig.68 Power on inspection after test



Fig.69 Appearance inspection after test



Fig.70 Appearance inspection after test

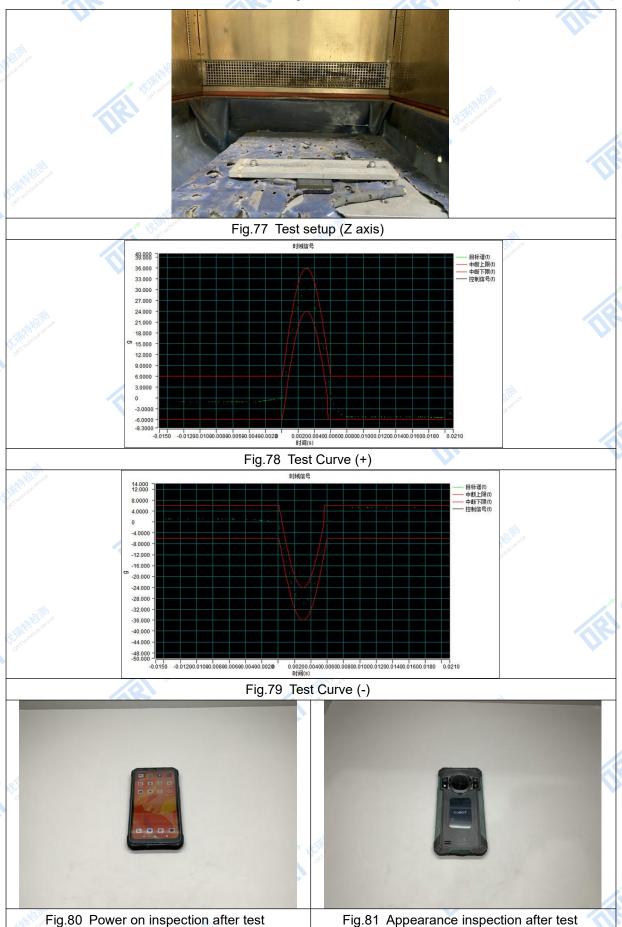


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