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



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Sample Name:	Smartphone	Applicant:	Shenzhen Huafurui Technology Co., Ltd.
Model:	KINGKONG ACE 5	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
Spec:	Black	Vendor or Supplier:	Shenzhen Huafurui Technology Co., Ltd.
Brand:	CUBOT	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
Sample Quantity:	5 Pcs	Manufacturer:	Shenzhen Huafurui Technology Co., Ltd.
Specimen Source:	Submitted by applicant	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
Received Date:	Oct. 19, 2025 Detection Date:	Oct. 20, 2025~ Oct. 27, 2025	Report Oct. 27, 2025
Test Requirement:	For further details, please re	fer to the following	ng page(s).
Test Item:	1.IPX9K Test; 2.IP6KX Test; 6.Combined Temperature an	the state of the s	
Decision Rules:	For further details, please re	efer to the following	ng page(s).
Test Conclusion:	PASS/Details see the summa	ary of test results	on the next page.



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Tested By:	Jim Ke	Date:	DK.
Signature:	Jim, ke	Oct. 27, 2025	
Checked By:	Lonny Chen	Date:	A STATE OF THE STA
Signature:	Lonny Chon	Oct. 27, 2025	Shenzhen ORT Technical Services Co., Ltd.
Approved By:	Makoto. Wu	Date:	Oct. 27, 2025
Signature:	Makoto. Wu	Oct. 27, 2025	
Note:/	TR	High parties	A State of the sta



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# I Testing Overview

# 1.Sample information

Name	III I	Model	E KETILLI	Quantity		Sample No.
Smartphone		KINGKONG ACE 5	drift.	5 Pcs	The this	ORT251018112001-SS1/5~ ORT251018112001-SS5/5

# 2.Summary of test results

No.	Test record	et record Test item		Sample test results (ORT251018112001-SS1/5~ ORT251018112001-SS5/5)			
			PASS	FAIL	N/A		
1	Page 4 of this report	IPX9K Test	PASS	1	1		
2	Page 4 of this report	IP6KX Test	PASS	1	1		
3	Page 5 of this report	IP6X Test	PASS	1	1		
4	Page 6 of this report	IPX8 Test	PASS	The state of the s	1		
5	Page 6 of this report	Vibration Test	PASS	Series 1	1		
6	Page 7 of this report	Combined Temperature and Shock Test	PASS	1	1		
7	Page 8 of this report	Drop Test	PASS	1	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	2026.06.18

**1.2 Test Environment:** Temperature: 26.0 °C; Relative Humidity: 52 %.

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

#### 1.4 Test Conditions:

(5±1) r/min; Rotation speed: 0°, 30°, 60°, 90°; Spraying angle: The distance from nozzle to enclosure surface: 100 mm~150 mm;  $(14\sim16)$  L/min; Water flow rate: Water temperature: (80±5)°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
ORT251018112001-SS1/5	There's no damage to the appearance of sample and the function is normal.	Pass

# 2 Test Item: IP6KX Test

# 2.1 Test Equipment:

1	No.	Name	Model No.	Equipment No.	Calibration Validity
	1	Sand and Dust Test Chamber	TL-SC-1000	ORT-SC1000-01	2026.06.19
	2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2026.06.22

2.2 Test Environment: Temperature: 26.4 °C; Relative Humidity: 51 % .

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

Test duration: 20 cycles

# 2.5 Acceptance Criteria:

The sample was not punctured by the test probe and there was sufficient clearance between the sample and the hazardous parts. After the test, the sample function is normal, after the disassembly inspection, there is no dust inside.

#### 2.6 Test Result:

Sample No.	Inspection after test	Conclusion
18	The appearance of sample is normal and the function is	
	normal.The sample was not punctured by the test probe and	
ORT251018112001-SS2/5	there was sufficient clearance between the sample and the	Pass
AT THE RESERVE OF THE PERSON O	hazardous parts. After the disassembly inspection, there is no	
A SE HOLD BUTTON	dust inside.	

# 3 Test Item: IP6X Test

# 3.1 Test Equipment:

1	No.	Name	Model No.	Equipment No.	Calibration Validity
line.	H. J. H. Lethie	Sand and Dust Test Chamber	TL-SC-1000	ORT-SC1000-01	2026.06.19
	2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2026.06.22

**3.2 Test Environment:** Temperature: 26.2 °C; Relative Humidity: 50 %.

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:

The sample was not punctured by the test probe and there was sufficient clearance between the sample and the hazardous parts. After the test, the sample function is normal, after the disassembly inspection, there is no dust



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inside.

#### 3.6Test Result:

A This is the	Sample No.	THE HELL	Inspection after test	Conclusion
		0,1	The appearance of sample is normal and the function is	
			normal.The sample was not punctured by the test probe and	Aug P
ORT	251018112001-S	S3/5	there was sufficient clearance between the sample and the	Pass
			hazardous parts. After the disassembly inspection, there is no	Die
THE BEST	arthur ser		dust inside.	

4 Test Item: IPX8 Test

# 4.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1 1	Water Immersion	TL-IPX8-600	ODT IDV9 01	2026.06.17
III. DOLLER	Pressure Tester	11-11-70-000	-600 ORT-IPX8-01	2020.00.17

**4.2 Test Environment:** Temperature: 25.8 °C; Relative Humidity: 52 %.

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
ORT251018112001-SS4/5	The function is normal; And after disassembly, there is no water inside the sample.	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	2026.06.17

**5.2 Test Environment:** Temperature: 25.6 °C; Relative Humidity: 50 %.



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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	1	5.08	The state of the s	
14~33	2	1	V V 7 avia	O h/avia
33~52	1	0.91	X, Y, Z axis	2 h/axis
52~500	5	1		

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

# 5.6 Test Result:

Sample No.	Inspection after test	Conclusion
ORT251018112001-SS1/5	The appearance of sample is normal and the function is normal.	Pass

6 Test Item: Combined Temperature and Shock Test

# 6.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	Rapid temperature variation test chamber	TH15-1000DHVB	ORTKWB1000-01	2026.06.17
2	Vibration Tester	MPA406/M232A	ORTZD2000-01	2026.06.17

**6.2 Test Environment:** Temperature: 25.6 °C; Relative Humidity: 50 %.

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

# **6.4 Test Conditions:**

Shock Test Parameter		Temperature Test Parameter	
Pulse Shape:	Half Sine		
Peak Acceleration:	30 g	TRI	
Pulse Duration:	6 ms	-55℃, 70℃.	
Test Orientation:	±X, ±Y, ±Z axis		
Test Time:	2 times/axis, 12 times in total.		
Note: the sample should st	ay in the test chamber for 30 min af	ter the shock test, then take out and check.	

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

# 6.6 Test Result:

Sample No.	Inspection after test	Conclusion
ORT251018112001-SS5/5	The appearance of sample is normal and the function is	Pass
OK1251010112001-355/5	normal.	F d 5 5



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7 Test Item: Drop Test

# 7.1 Test Equipment:

No.	Name	Model No.	Equipment No.	Calibration Validity
1	Drop Tester	LX-DL-315	ORT-DL-01	2026.06.17

**7.2 Test Environment:** Temperature: 26.1 °C; Relative Humidity: 50 %.

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

# 7.4 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.

ORT251018112001-SS1/5~ sample for the drop of corners and faces (14 times in total);

ORT251018112001-SS5/5 sample for the drop of edge (12 times in total).

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

#### 7.6 Test Result:

Sample No.	Inspection after test	Conclusion
ORT251018112001-SS1/5,	The appearance of sample is normal and the function is	Pass
ORT251018112001-SS5/5	normal.	Pass



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# III Test photo and test curve:

Test Item 1: IPX9K test (ORT251018112001-SS1/5)





Fig.1 Appearance inspection before test

Fig.2 Appearance inspection before test



Fig.3 Power on inspection before test



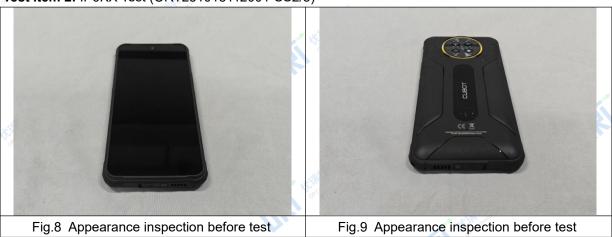
Fig.4 Test setup



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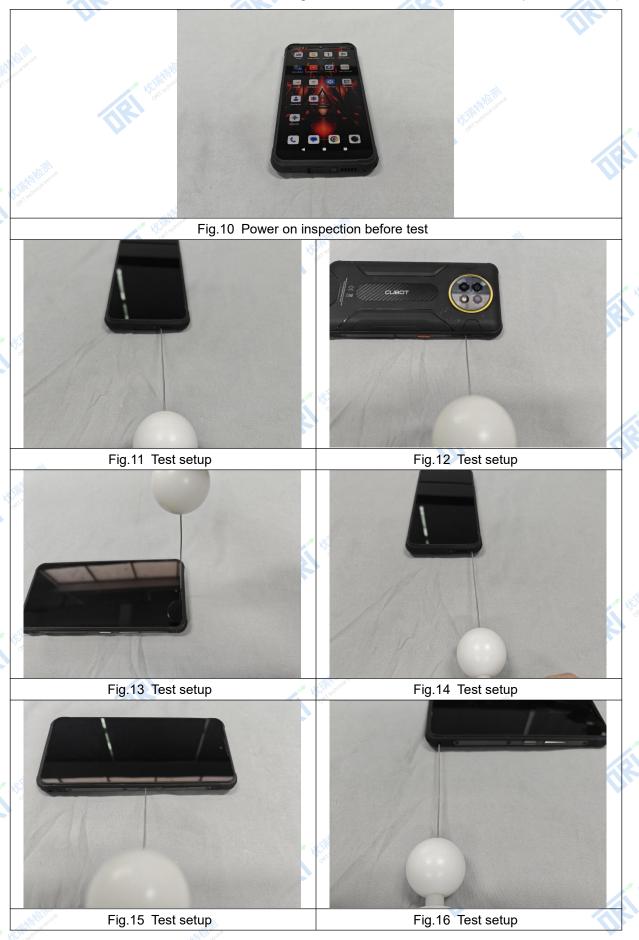


Test Item 2: IP6KX Test (ORT251018112001-SS2/5)





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Fig.27 Test setup



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Fig.28 Test setup



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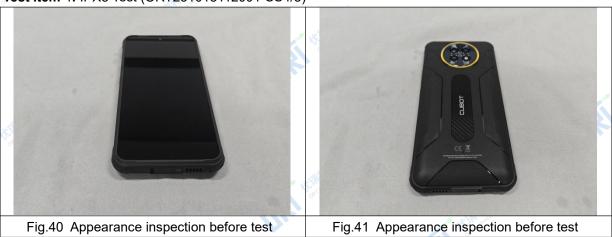




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Test Item 4: IPX8 Test (ORT251018112001-SS4/5)



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Fig.42 Power on inspection before test



Fig.43 Test setup



Fig.44 Appearance inspection after test



Fig.45 Appearance inspection after test



Fig.46 Power on inspection after test



Fig.47 Inspection after disassembly



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# Test Item 5: Vibration Test (ORT251018112001-SS1/5)



Fig.48 Appearance inspection before test



Fig.49 Appearance inspection before test



Fig.50 Power on inspection before test



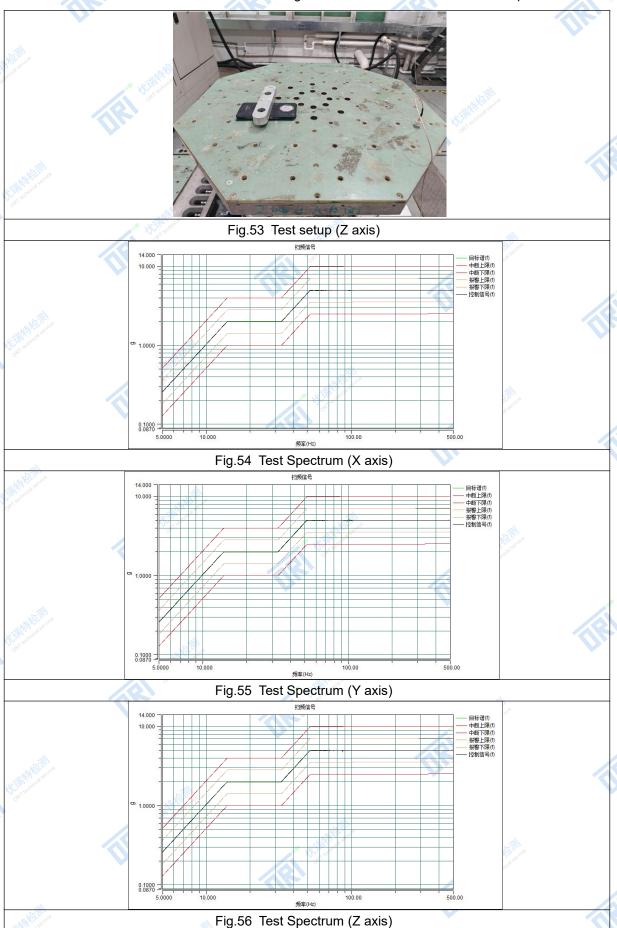
Fig.51 Test setup (X axis)



Fig.52 Test setup (Y axis)



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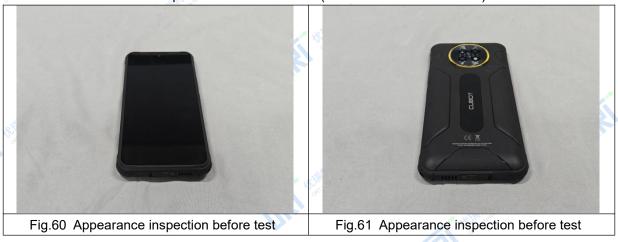




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Test Item 6: Combined Temperature and Shock Test (ORT251018112001-SS5/5)





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Fig.62 Power on inspection before test





Fig.63 Temperature:-55°C

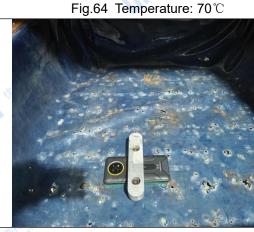


Fig.65 Test setup (X axis)

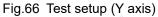
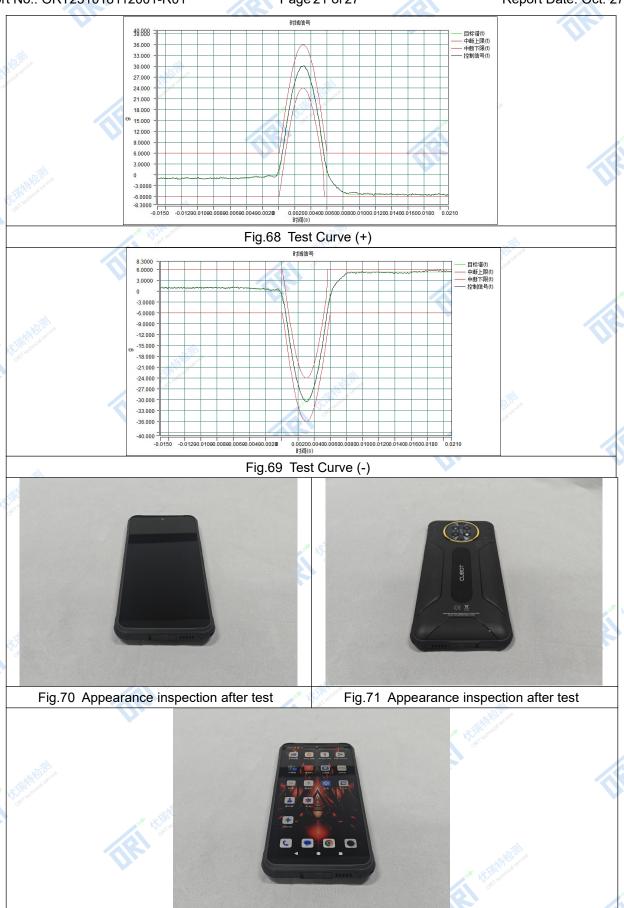




Fig.67 Test setup (Z axis)



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Fig.72 Power on inspection after test



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Test Item 7: Drop Test(ORT251018112001-SS1/5、ORT251018112001-SS5/5)



Fig.73 Appearance inspection before test SS1/5

Fig.74 Appearance inspection before test SS1/5



Fig.75 Power on inspection before test SS1/5





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Fig.78 Power on inspection before test SS5/5

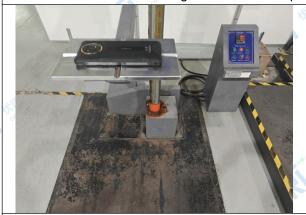


Fig.79 Test setup- Face (1)

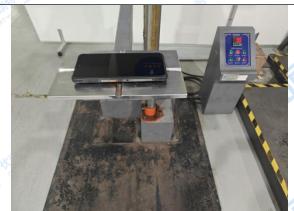


Fig.80 Test setup- Face (2)



Fig.81 Test setup- Face (3)



Fig.82 Test setup- Face (4)



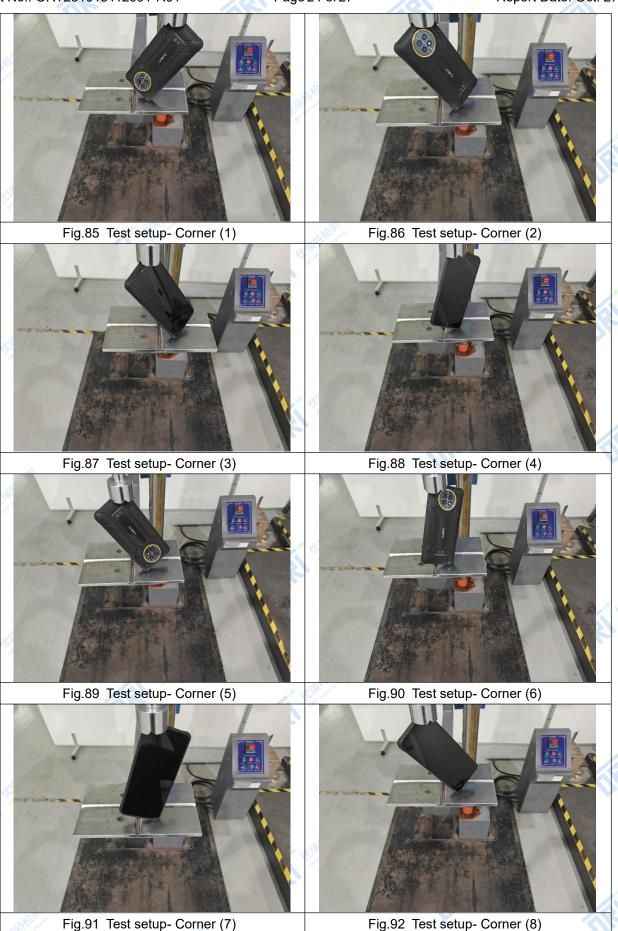
Fig.83 Test setup- Face (5)



Fig.84 Test setup- Face (6)

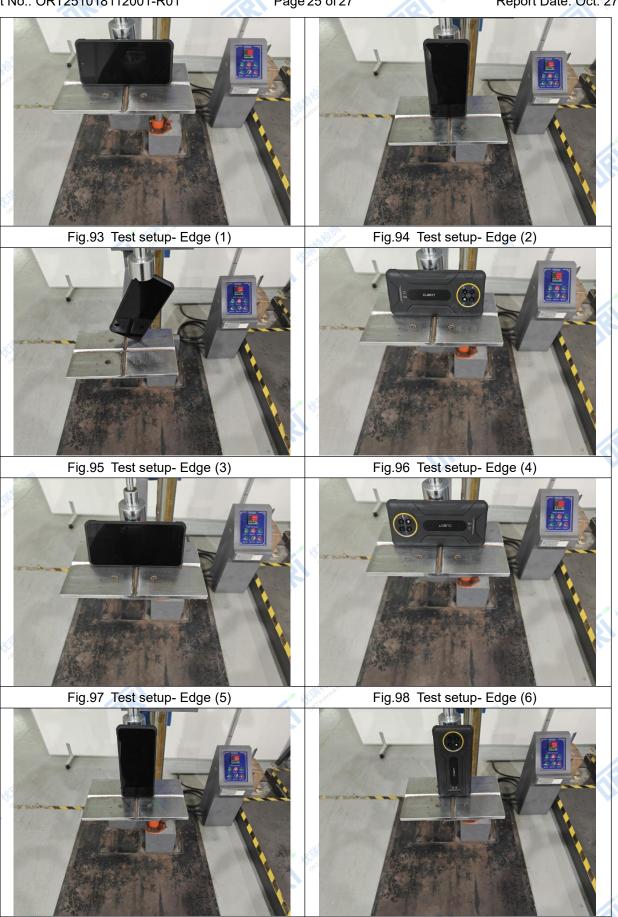


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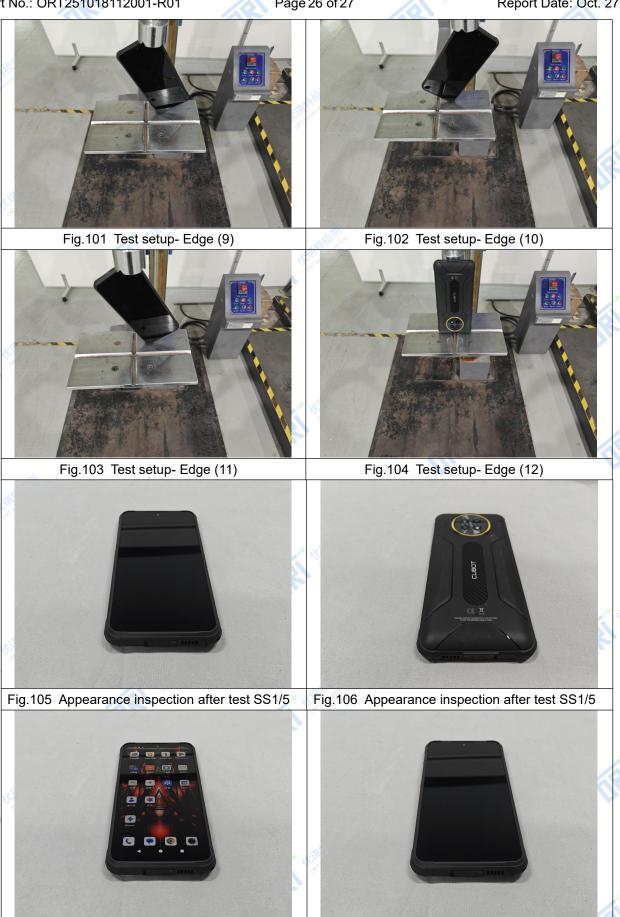
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Fig.99 Test setup- Edge (7)

Fig.100 Test setup- Edge (8)



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Fig.107 Power on inspection after test SS1/5

Fig.108 Appearance inspection after test SS2/5



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Fig.110 Power on inspection after test SS2/5

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