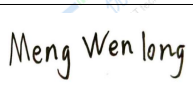
Shenzhen ORT Technical Services Co., Ltd.

TEST REPORT

Report Number ORT250627112001-R02					
Sample Name:	**Smartphone**		**Applicant:**	**Shenzhen Huafurui Technology Co., Ltd.**	
Model:	**KINGKONG 11**		**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:**	**The same as above**	
Sample Quantity:	**5 Pcs**		**Manufacturer:**	**Shenzhen Huafurui Technology Co., Ltd.**	
Specimen Source:	**Submitted by applicant**		**Address:**	**The same as above**	
Received Date:	**Jun. 29, 2025**	**Detection Date:**	**Jun. 30, 2025~ Jul. 07, 2025**	**Report Date:**	**Jul. 07, 2025**
Test Requirement:	**For further details, please refer to the following page(s).**				
Test Item:	**1.IPX9K Test; 2.IP6KX Test; 3.IP6X Test; 4.IPX8 Test; 5.Vibration Test; 6.Drop Test; 7.Combined Temperature and Shock Test.**				
Decision Rules:	**For further details, please refer to the following page(s).**				
Test Conclusion:	**PASS/Details see the summary of test results on the next page.**				

Tested By:	**Meng WenLong**	**Date: Jul. 07, 2025**	**Shenzhen ORT Technical Services Co., Ltd. Jul. 07, 2025**
Signature:			
Checked By:	**Lonny Chen**	**Date: Jul. 07, 2025**	
Signature:			
Approved By:	**Makoto. Wu**	**Date: Jul. 07, 2025**	
Signature:			
Note：/			

1.Sample information

Name	Model	Quantity	Sample No.
Smartphone	KINGKONG 11	5 Pcs	ORT250627112001-SS1/5~ ORT250627112001-SS5/5

2.Summary of test results

No.	Test record	Test item	Sample test results (ORT250627112001-SS1/5~ORT250627112001-SS5/5)		
			PASS	FAIL	N/A
1	Page 3 of this report	IPX9K Test	PASS	/	/
2	Page 3 of this report	IP6KX Test	PASS	/	/
3	Page 4 of this report	IP6X Test	PASS	/	/
4	Page 5 of this report	IPX8 Test	PASS	/	/
5	Page 5 of this report	Vibration Test	PASS	/	/
6	Page 6 of this report	Drop Test	PASS	/	/
7	Page 6 of this report	Combined Temperature and Shock Test	PASS	/	/

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.

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: 25.0℃; Relative Humidity: 63%.

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: 100 mm～150 mm;
Water flow rate: (14～16) L/min;
Water temperature: (80±5)℃;
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
ORT250627112001-SS1/5	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	2026.06.19
2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2026.06.22

2.2 Test Environment: Temperature: 25.0℃; Relative Humidity: 63% .

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.

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
ORT250627112001-SS2/5	The sample function is normal, and after the sample disassembly and inspection, there is no dust inside the sample.	Pass

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	2026.06.19
2	IP4X Test Probe	IP4X/1N Thrust	ORT-IP4X-01	2026.06.22

3.2 Test Environment: Temperature: 24.7℃; Relative Humidity: 62%.

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/m^3, 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 inside.

3.6 Test Result:

Sample No.	Inspection after test	Conclusion
ORT250627112001-SS2/5	The sample function is normal, and after the sample disassembly and inspection, there is no dust inside the sample.	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	2026.06.18

4.2 Test Environment: Temperature: 24.7℃; Relative Humidity: 62%.

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
ORT250627112001-SS3/5	The sample function is normal, and after the sample disassembly and inspection, 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	2026.06.18
2	Vibration Tester	DC-7500-80	ORT-ZD7500-02	2026.06.19

5.2 Test Environment: Temperature: 25.1℃; Relative Humidity: 66%.

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	X, Y, Z axis	2 h/axis
14～33	2	/		
33～52	/	0.91		
52～500	5	/		

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
ORT250627112001-SS4/5	The sample had no abnormal appearance, and the sample function was normal.	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	2026.06.18

6.2 Test Environment: Temperature: 25.8℃; Relative Humidity: 55%.

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.

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

6.6 Test Result:

Sample No.	Inspection after test	Conclusion
ORT250627112001-SS5/5	Sample in good appearance and normal function.	Pass

7 Test Item: Combined Temperature and Shock Test

7.1 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
3	Vibration Tester	DC-7500-80	ORT-ZD7500-02	2026.06.19
4	Three Comprehensive Test Chamber	TH-3300	ORT-TH3300-02	2026.06.19

7.2 Test Environment: Temperature: 25.8℃; Relative Humidity: 63%.

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

7.4 Test Conditions:

Shock Test Parameter		Temperature Test Parameter
Pulse Shape:	Half Sine	-55℃, 70℃.
Peak Acceleration:	30 g	
Pulse Duration:	6 ms	
Test Orientation:	±X, ±Y, ±Z axis	
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
ORT250627112001-SS5/5	Sample in good appearance and normal function.	Pass

III Test photo and test curve:

Test Item 1: IPX9K test (ORT250627112001-SS1/5)

Fig.1 Appearance inspection before test

Fig.2 Appearance inspection before test

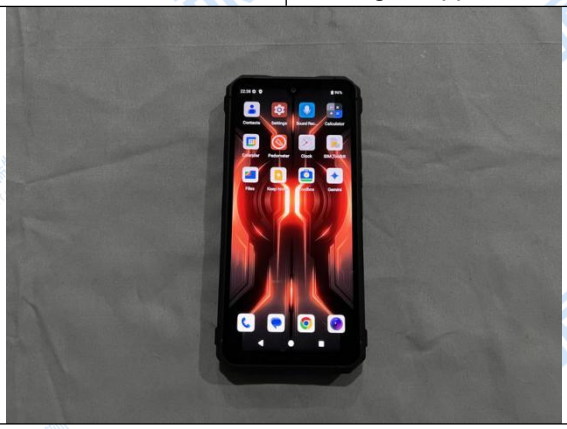


Fig.3 Power on inspection before test

Fig.4 Test setup

Fig.5 Appearance inspection after test

Fig.6 Appearance inspection after test

Fig.7 Power on inspection after test

Test Item 2: IP6KX Test (ORT250627112001-SS2/5)

Fig.8 Appearance inspection before test

Fig.9 Appearance inspection before test

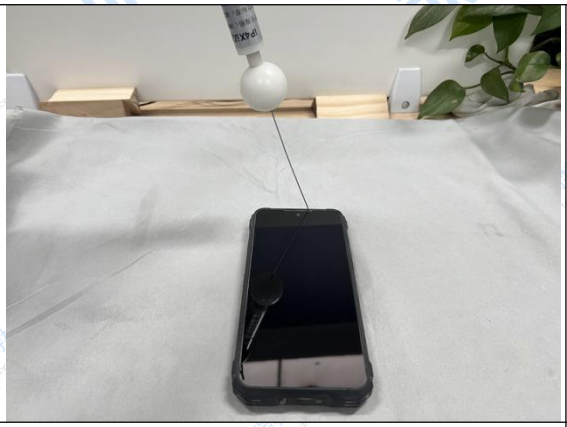


Fig.10 Detective rod detection

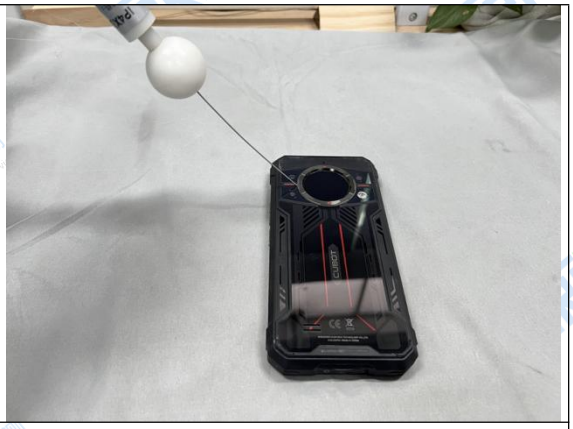


Fig.11 Detective rod detection

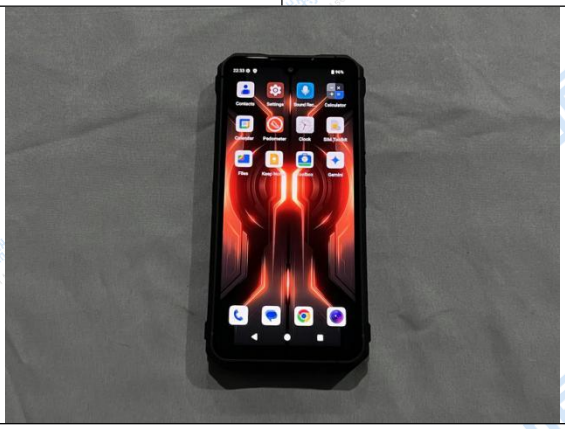


Fig.12 Power on inspection before test

Fig.13 Test setup

Fig.14 Test setup

Fig.15 Appearance inspection after test

Fig.16 Appearance inspection after test

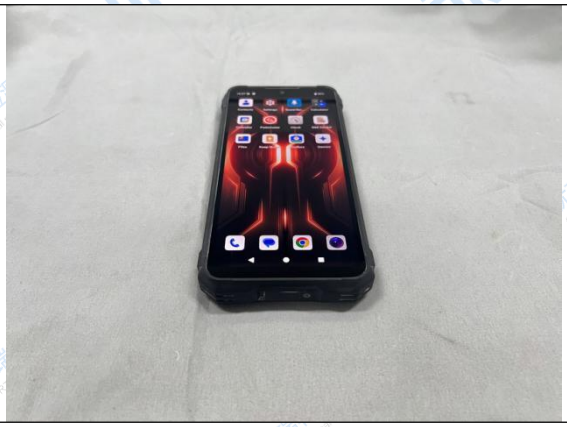


Fig.17 Power on inspection after test

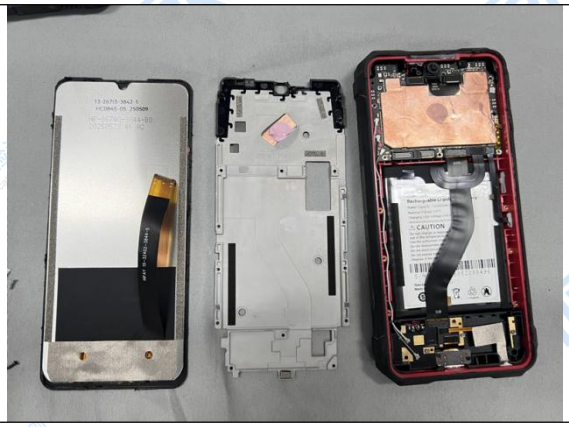


Fig.18 Appearance inspection after test

Test Item 3: IP6X Test (ORT250627112001-SS2/5)

Fig.19 Appearance inspection before test

Fig.20 Appearance inspection before test

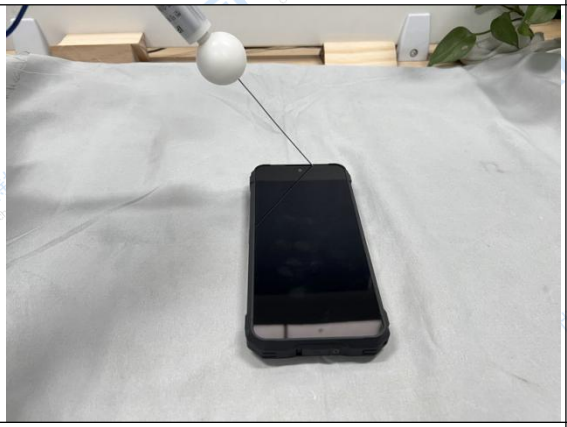


Fig.21 Detective rod detection

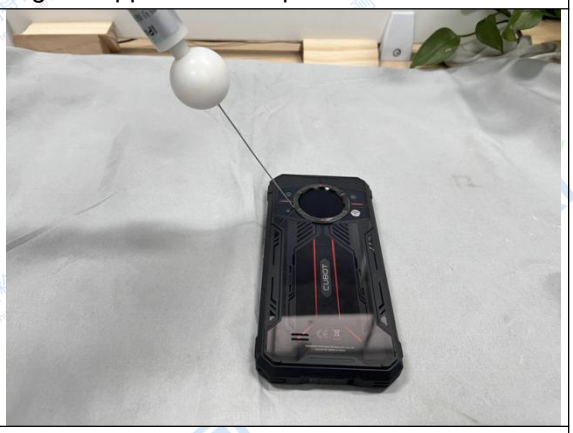


Fig.22 Detective rod detection

Fig.23 Power on inspection before test

Fig.24 Test setup

Fig.25 Test setup

Fig.26 Appearance inspection after test

Fig.27 Appearance inspection after test

Fig.28 Power on inspection after test

Fig.29 Appearance inspection after test

Test Item 4: IPX8 Test (ORT250627112001-SS3/5)

Fig.30 Appearance inspection before test

Fig.31 Appearance inspection before test

Fig.32 Power on inspection before test

Fig.33 Test setup

Fig.34 Appearance inspection after test

Fig.35 Appearance inspection after test

Fig.36 Power on inspection after test

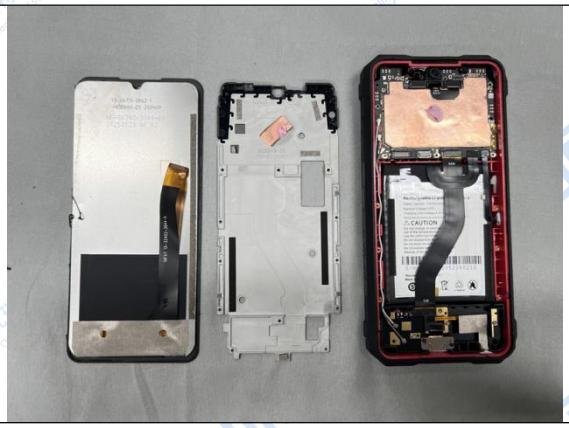


Fig.37 Appearance inspection after test

Test Item 5: Vibration Test (ORT250627112001-SS4/5)

Fig.38 Appearance inspection before test

Fig.39 Appearance inspection before test

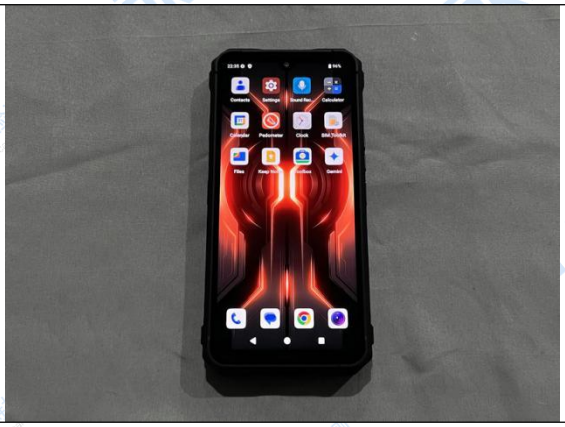


Fig.40 Power on inspection before test

Fig.41 Test setup (X axis)

Fig.42 Test setup (Y axis)

Fig.43 Test setup (Z axis)

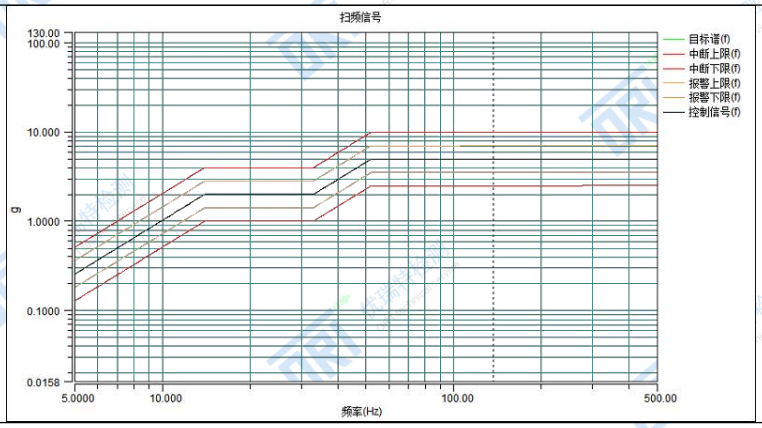


Fig.44 Test Spectrum (X axis)

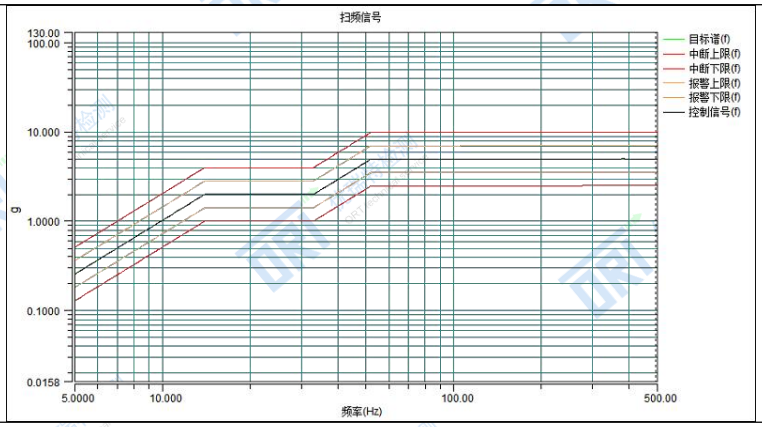


Fig.45 Test Spectrum (Y axis)

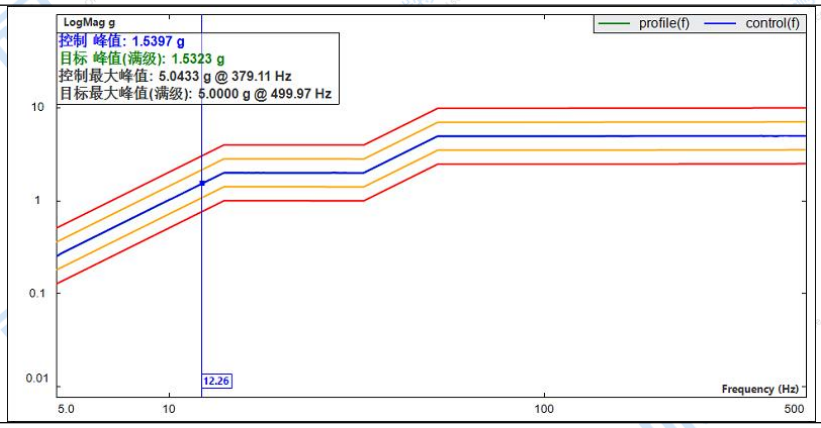


Fig.46 Test Spectrum (Z axis)

Fig.47 Appearance inspection after test

Fig.48 Appearance inspection after test

Fig.49 Power on inspection after test

Test Item 6: Drop Test(ORT250627112001-SS5/5)

Fig.50 Appearance inspection before test

Fig.51 Appearance inspection before test

Fig.52 Power on inspection before test

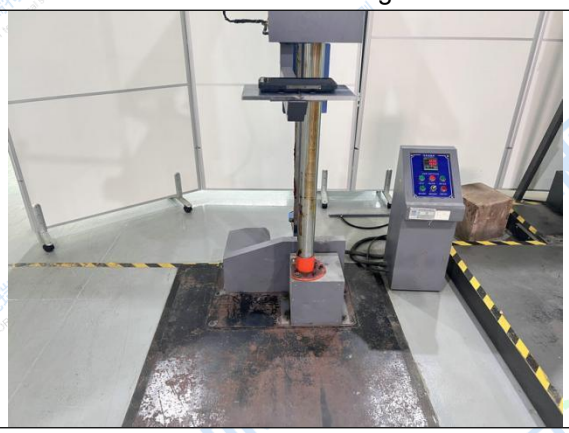


Fig.53 Test setup- Face (1)

Fig.54 Test setup- Face (2)

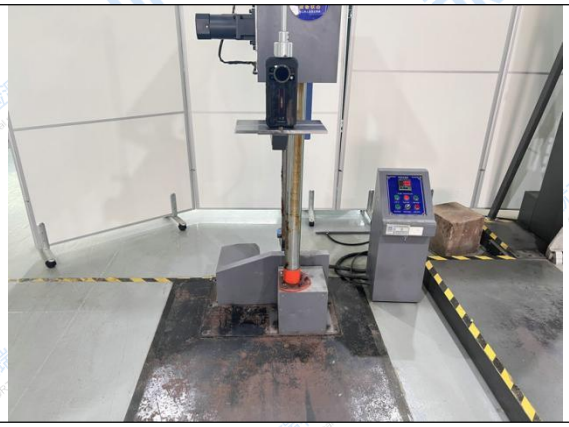


Fig.55 Test setup- Face (3)

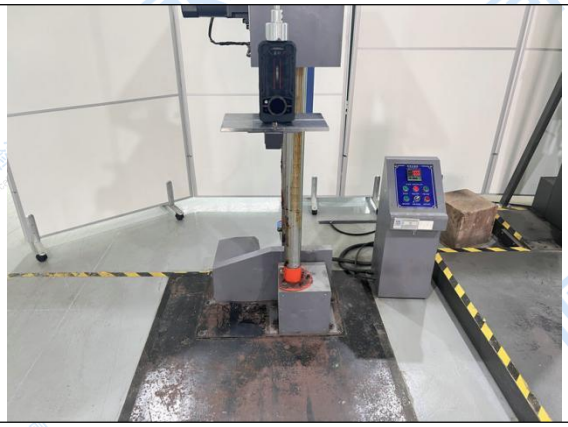


Fig.56 Test setup- Face (4)

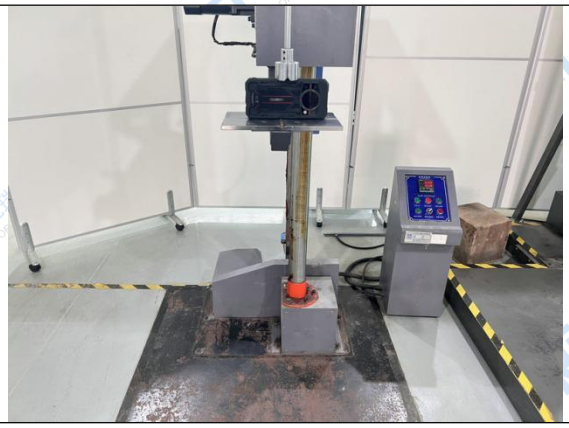


Fig.57 Test setup- Face (5)

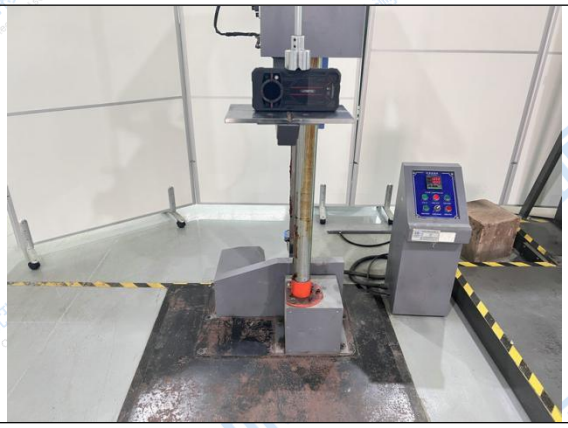


Fig.58 Test setup- Face (6)

Fig.59 Test setup- Corner (1)

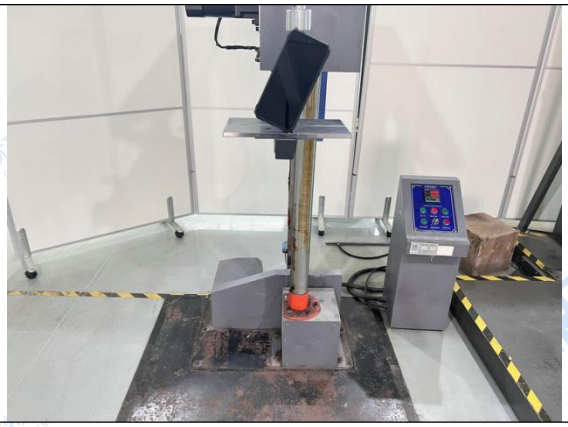


Fig.60 Test setup- Corner (2)

Fig.61 Test setup- Corner (3)

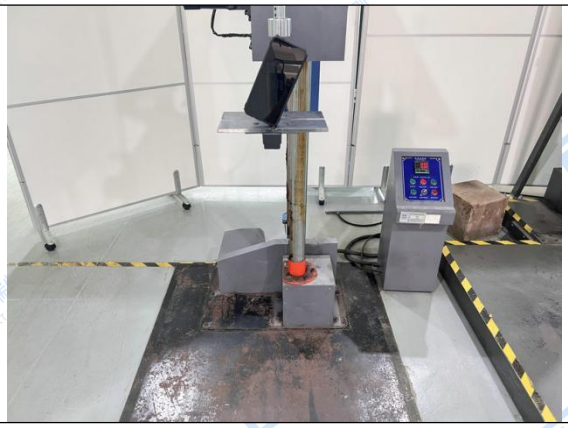


Fig.62 Test setup- Corner (4)

Fig.63 Test setup- Corner (5)

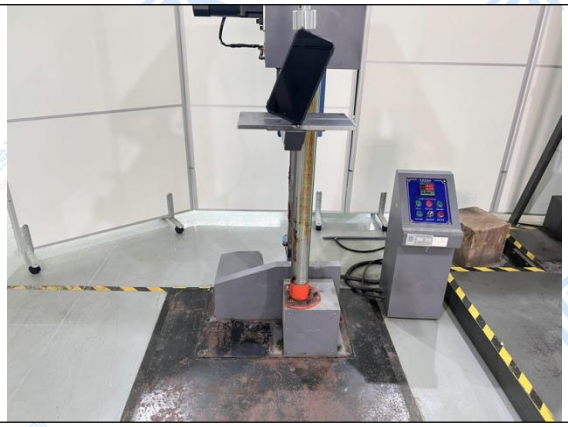


Fig.64 Test setup- Corner (6)

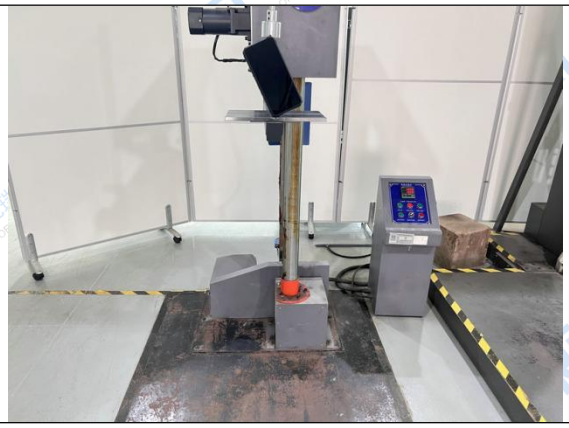


Fig.65 Test setup- Corner (7)

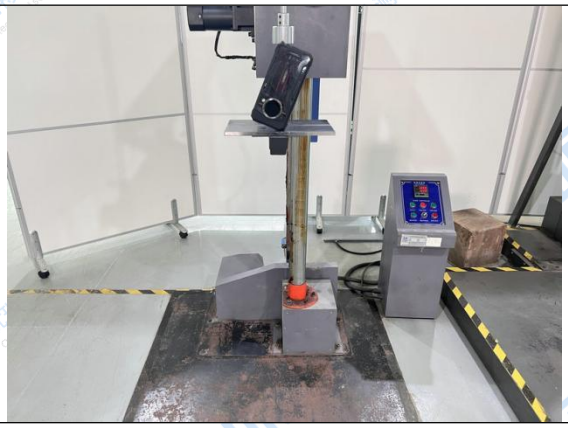


Fig.66 Test setup- Corner (8)

Fig.67 Test setup- Edge (1)

Fig.68 Test setup- Edge (2)

Fig.69 Test setup- Edge (3)

Fig.70 Test setup- Edge (4)

Fig.71 Test setup- Edge (5)

Fig.72 Test setup- Edge (6)

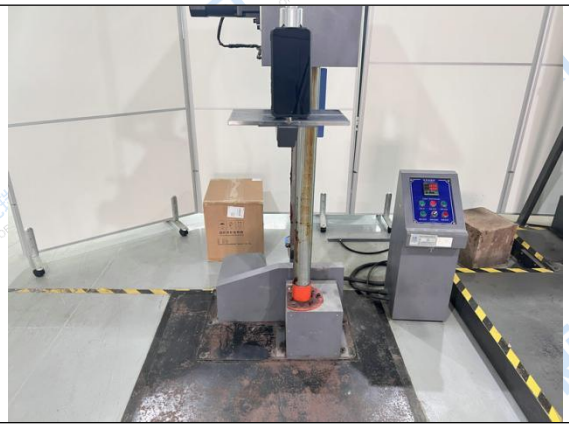


Fig.73 Test setup- Edge (7)

Fig.74 Test setup- Edge (8)

Fig.75 Test setup- Edge (9)

Fig.76 Test setup- Edge (10)

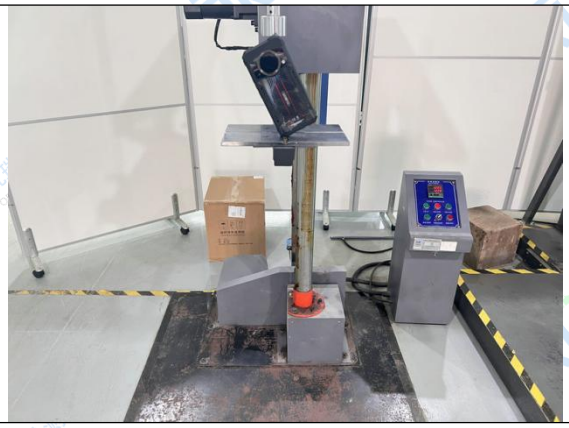


Fig.77 Test setup- Edge (11)

Fig.78 Test setup- Edge (12)

Fig.79 Appearance inspection after test

Fig.80 Appearance inspection after test

Fig.81 Power on inspection after test

Test Item 7: Combined Temperature and Shock Test (ORT250627112001-SS5/5)

Fig.82 Power on inspection before test

Fig.83 Appearance inspection before test

Fig.84 Power on inspection before test

Fig.85 Temperature:-55℃

Fig.86 Temperature: 70℃

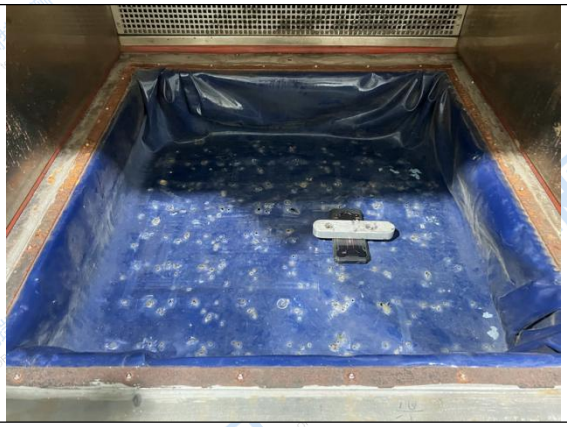


Fig.87 Test setup (X axis)

Fig.88 Test setup (Y axis)

Fig.89 Test setup (Z axis)

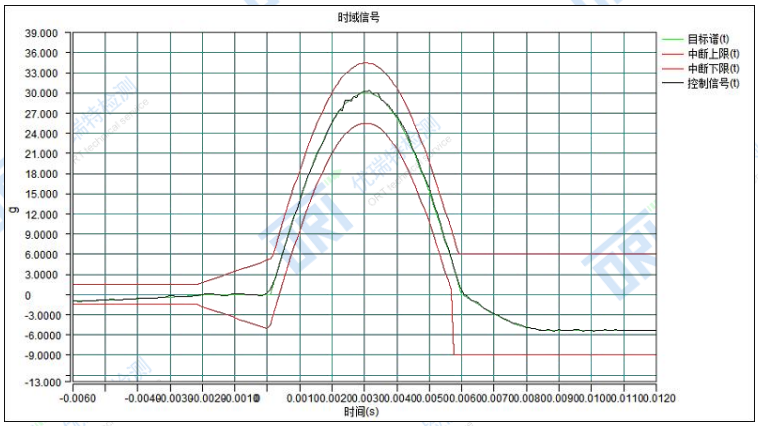


Fig.90 Test Curve (+)

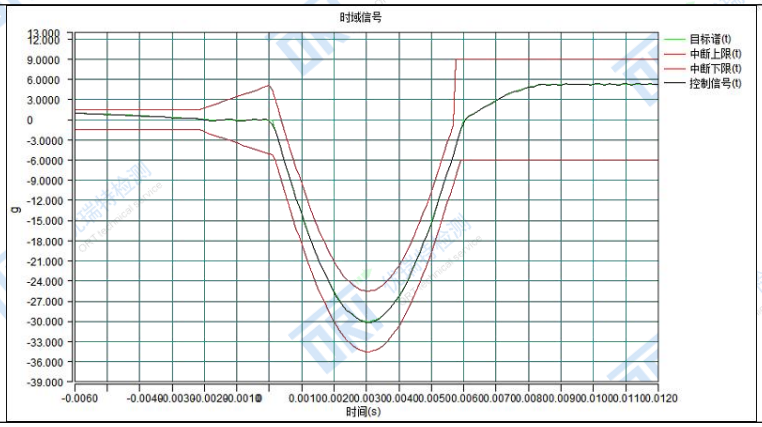


Fig.91 Test Curve (-)

Fig.92 Appearance inspection after test

Fig.93 Appearance inspection after test

Fig.94 Power on inspection after test

*** End of Report ***