

TEST REPORT

Report No. :BJ-R221212105A-EN

Test Item :IP67 Test、Drop Test

Client :Meferi Technologies Co.,Ltd.

Address :4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone, Chengdu, China

ShenZhen BestJ Testing Technologies Co., Ltd

Inspected Engineer: Liu Yuehui

Date: Dec.16,2022

Reviewed Engineer: Luo Ningsheng

Date: Dec.16,2022

Authorized Signatory: Zhang Jianbiao

Date: Dec.16,2022



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1.SAMPLE INFORMATION

Sample Name	Handheld terminal
Sample Model	ME40K、ME40M、ME40
Sample Specification	Input: 100~240 Vac Output: 5V 3A、9V 2A、12V 1.5A
Sample No.	BJ-R221212105A-1#~3#
Sample Size	/
Weight Of Sample	/
Sample Quantity	3 PCS
Manufacturer	Meferi Technologies Co.,Ltd.
Address	4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone, Chengdu, China
Sample Source	Commissioned units send sample
Inspection Type	Commissioning test
Sample Description	Sample appearance is good

2.TEST INFORMATION

Test Items	Sample No.	Received Date	Date Of Test(s)
IP6X Test	1#	Dec.12,2022	Dec.13,2022
IPX7 Test	2#	Dec.12,2022	Dec.13,2022
Drop Test	3#	Dec.12,2022	Dec.15,2022

3.TEST RESULTS

Test Items	Sample No.	Test Results
IP6X Test	1#	After test, there were no dust enter the enclosure of sample and the function was normal.
IPX7 Test	2#	After test, there were no water enter the enclosure of sample and the function was normal.
Drop Test	3#	After test, the sample showed no obvious mechanical damage and the function was normal.

4.IP67 Test

4.1 Reference Standard

Test according to IEC 60529:1989+AMD1:1999+AMD2:2013 CSV
Consolidated version Degrees of protection provided by enclosures
(IP Code).

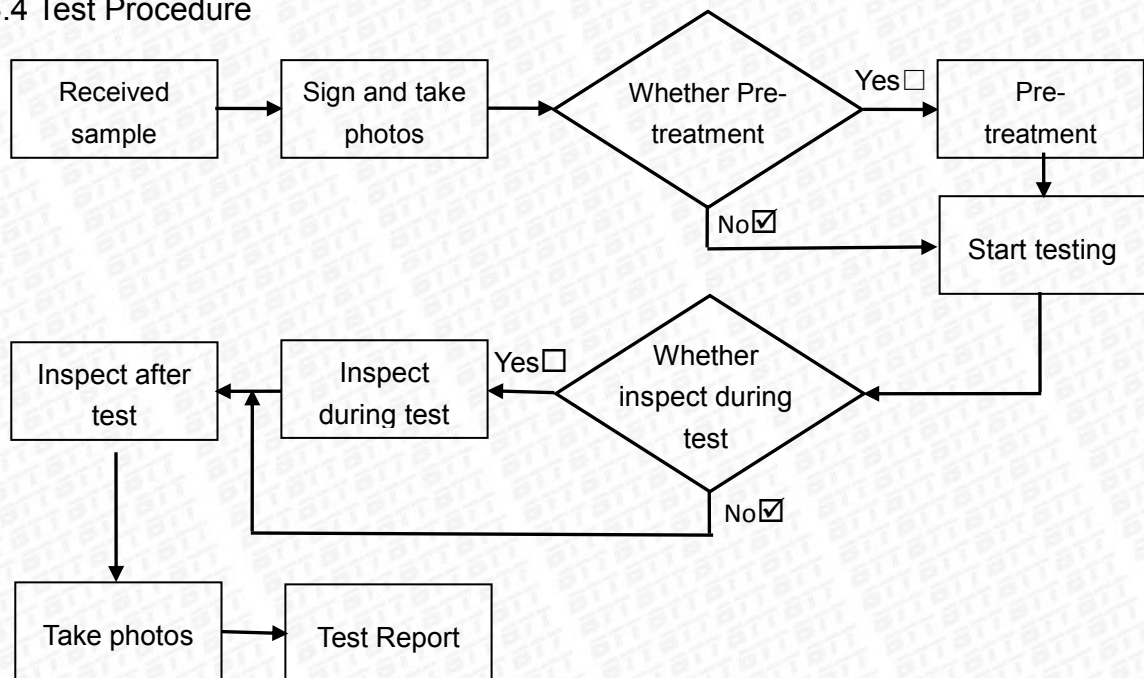
4.2 Laboratory Environment

Ambient temperature: $25\pm 3^{\circ}\text{C}$ Relative humidity: $55\pm 20\%\text{RH}$

4.3 Test Equipment

Test Equipment	Equipment Model	Equipment No.	Calibration Date
Dust proof test chamber	JY-SC-1000	2017061509	Apr 19,2022
Diving test device	XM-IP	2017061511-01	Apr 19,2022

4.4 Test Procedure



4.5 Test Conditions

4.5.1 IP6X test

The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is $50\ \mu\text{m}$ and whose nominal free distance between wires is $75\ \mu\text{m}$.

Test duration: 8 hrs

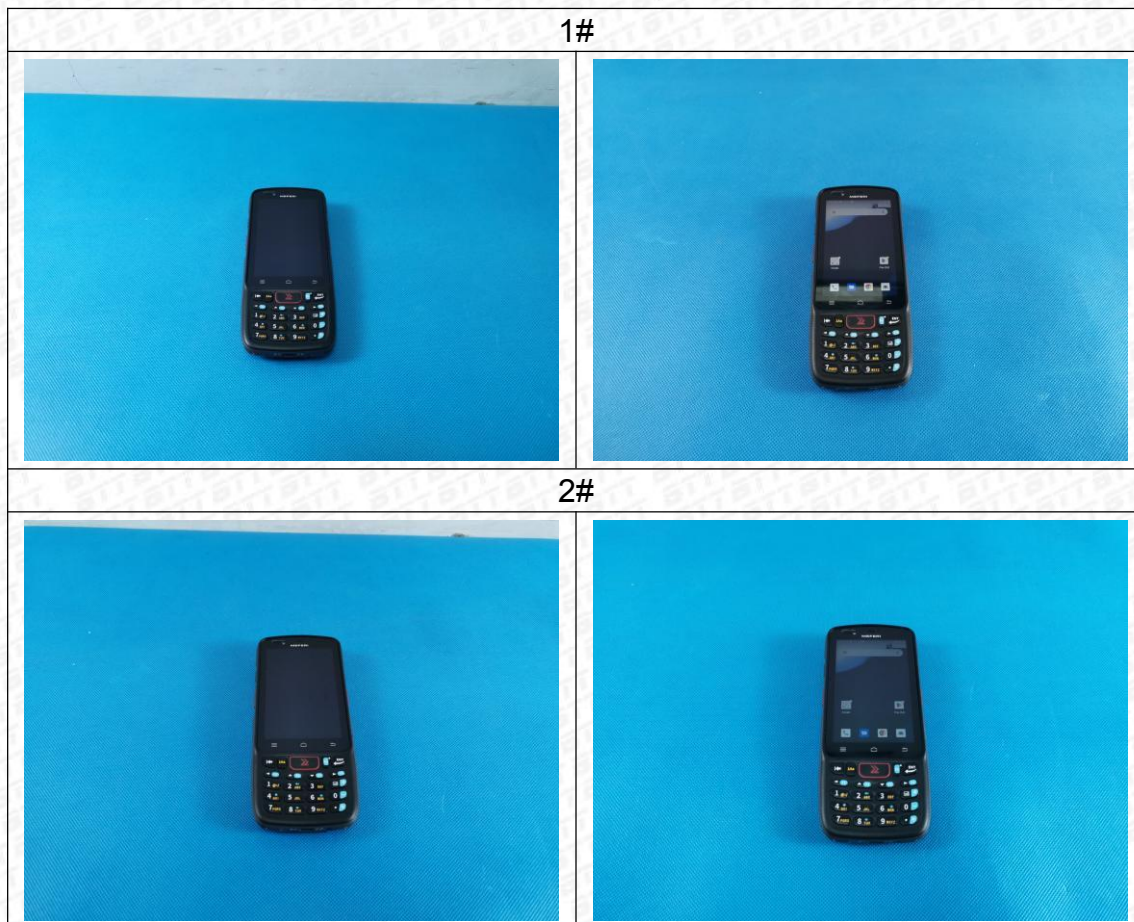
4.5.2 IPX7 test

Water Depth: 1m

Test Duration: 30min

4.6 Test Photos

Before test

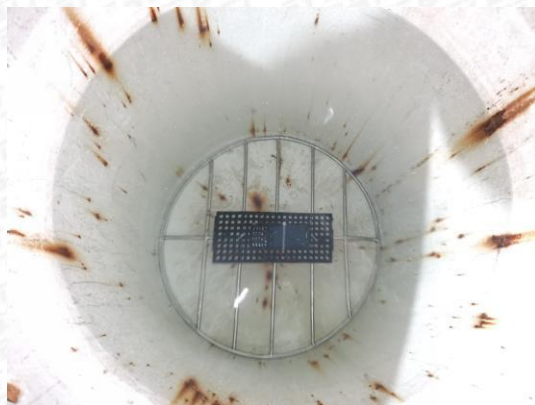


Test setup

IP6X: 1#



IPX7: 2#



After test

IP6X: 1#



IPX7: 2#



Blank

5.Drop Test

5.1 Reference Standard

Test according to IEC 60068-2-31-2008 Environmental testing
-Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens

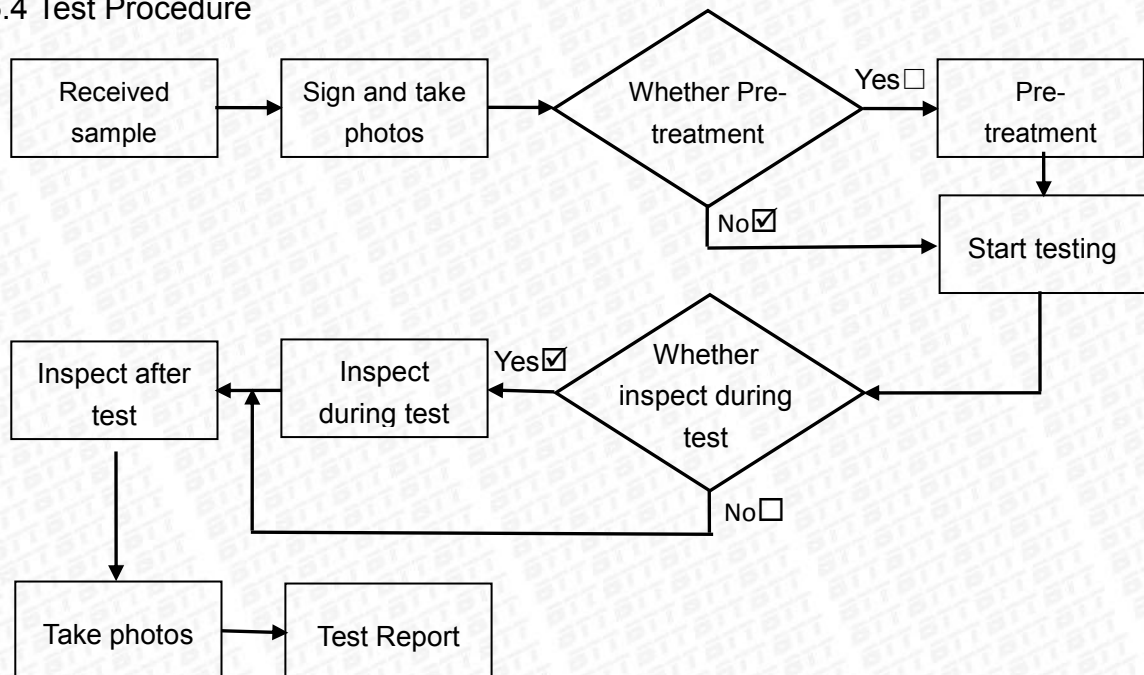
5.2 Laboratory Environment

Ambient temperature: $25\pm 3^{\circ}\text{C}$ Relative humidity: $55\pm 20\%\text{RH}$

5.3 Test Equipment

Test Equipment	Equipment Model	Equipment No.	Calibration Date
Directional drop tester	XM-960	2017061508	Apr 19,2022

5.4 Test Procedure

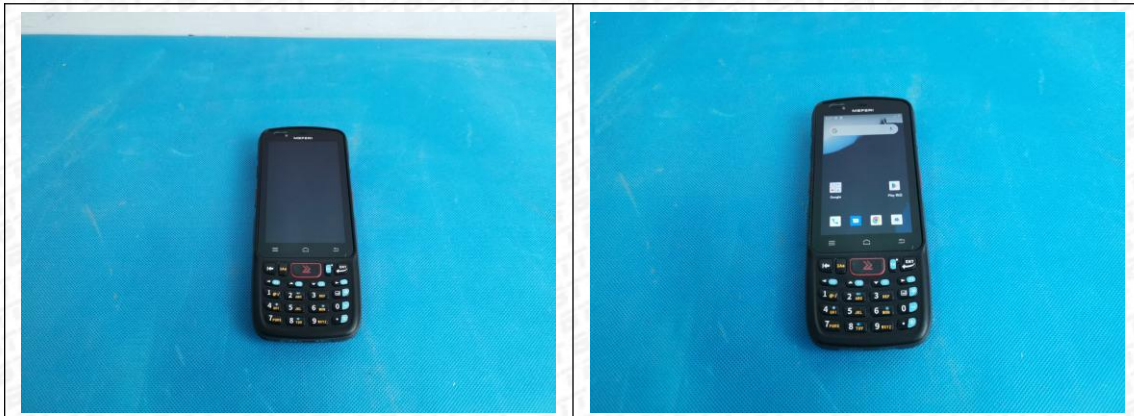


5.5 Test Conditions

1. Number of drop times: 4 corners and 6 faces;
Drop sequence: left face→back face→right face→bottom face
→top face→front face→upper left corner→upper right corner
→lower left corner→lower right corner;
2. Perform one cycle , check the function and appearance after one cycle is completed, and conduct shell disassembly inspection after all the falls;
- 3.Drop height: 1.8 m

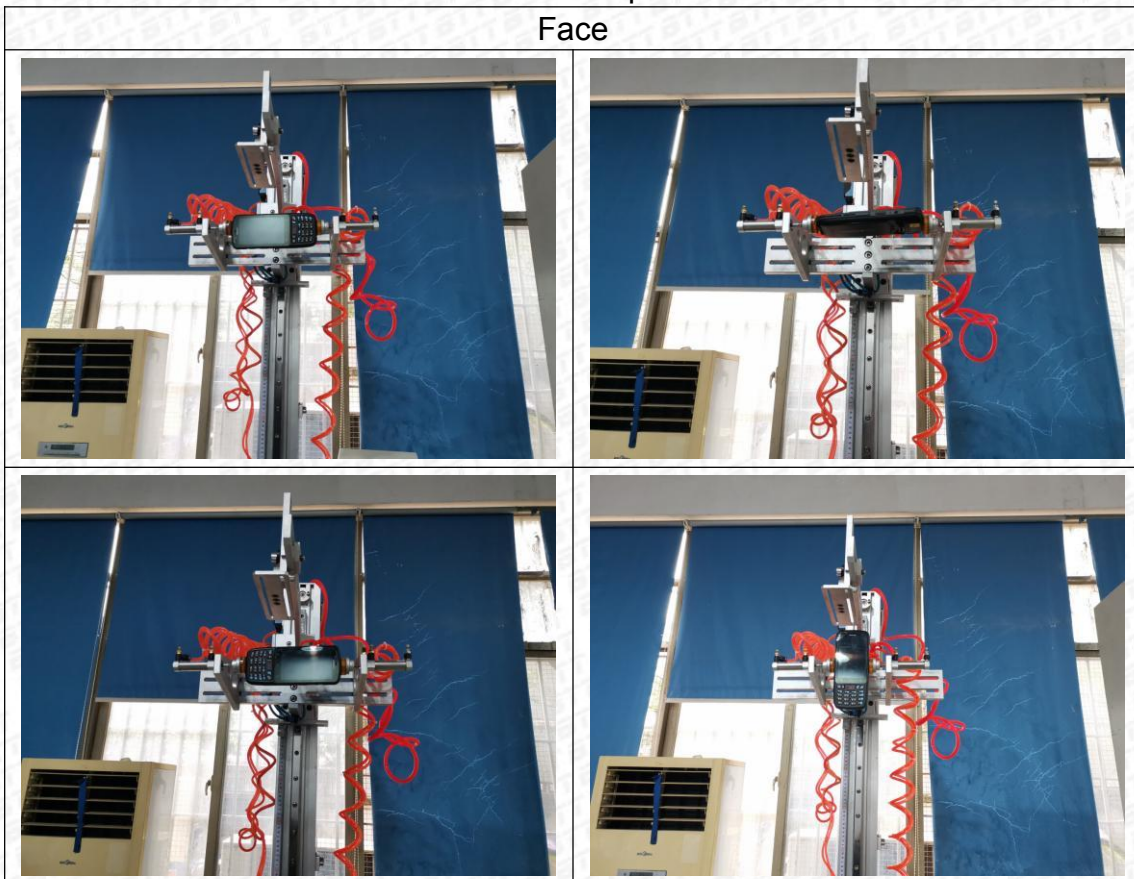
5.6 Test Photos

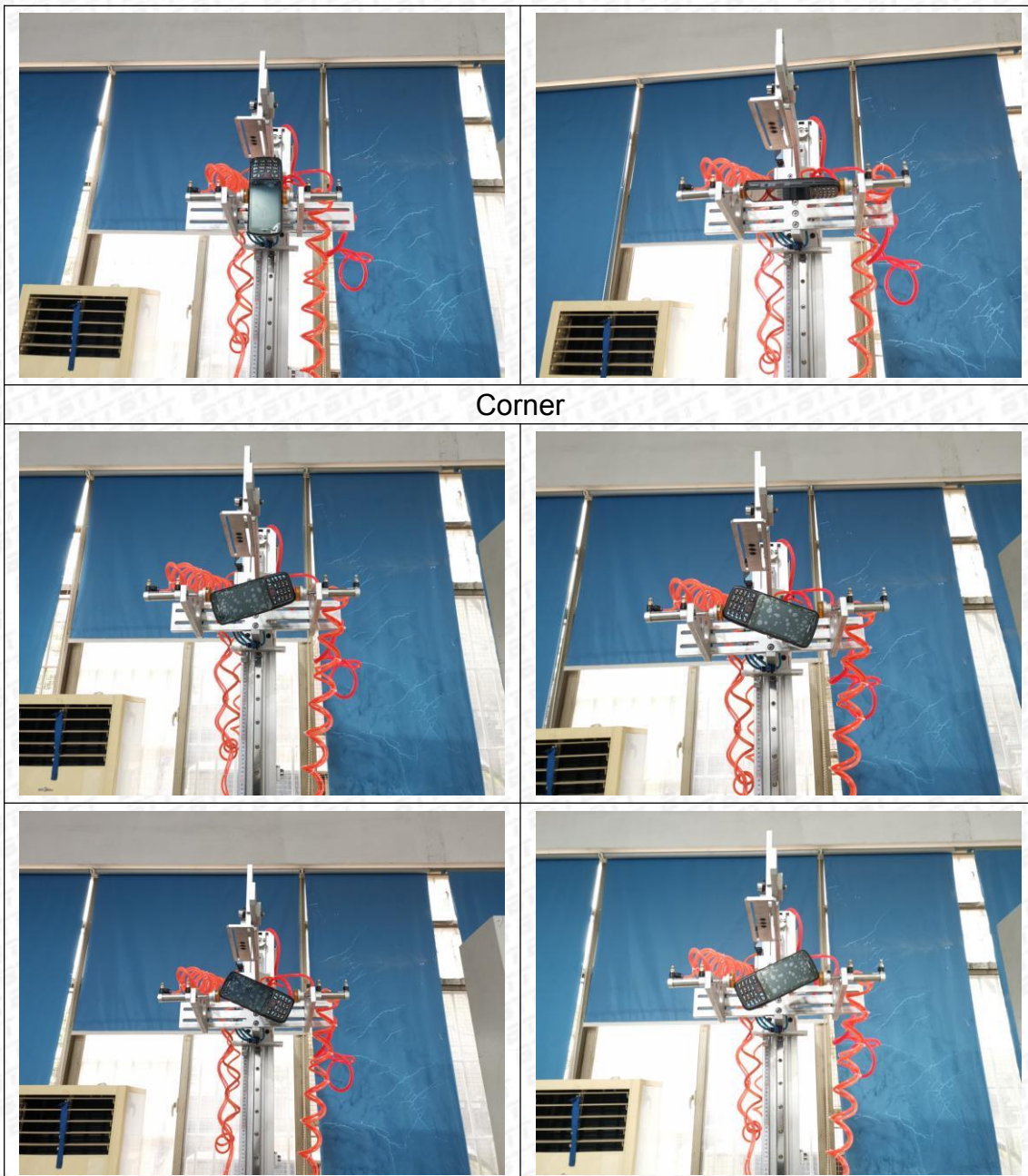
Before test



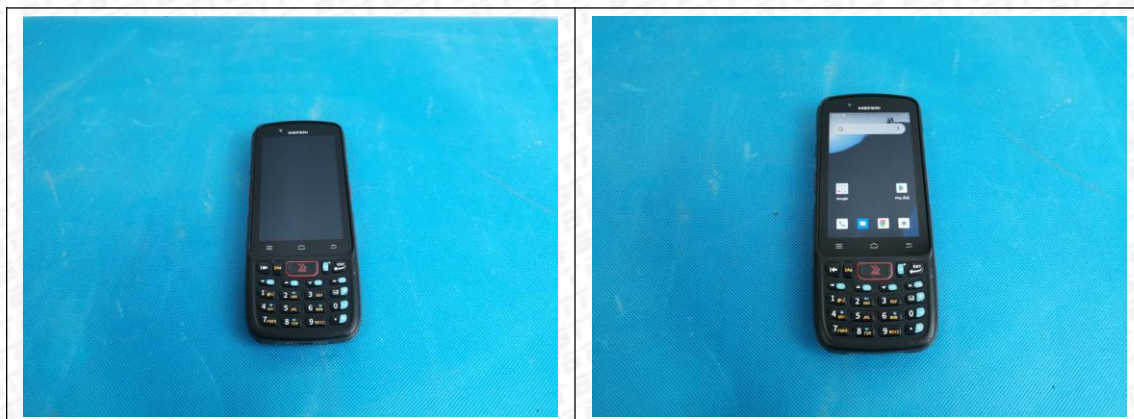
Test setup

Face





After test



报 告 说 明

1.检测地点:

Place for the testing:

深圳市宝安区航城街道南昌路华丰工业园 B 栋一楼。

1/F, Fengze Building B, The Second Industrial Park of Huafeng, Nanchang Road, Hangcheng Street, Baoan District, Shenzhen.

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报告结束 End of report