

TEST REPORT

No. : SZIN2203002128PS

Date : Mar 11, 2022

Page: 1 of 10

CUSTOMER NAME: SHENZHEN SWELL TECHNOLOGY CO.,LTD.
ADDRESS: ROOM 605,6/F,FA YUEN COMMERCIAL BUILDING,
75-77 FA YUEN STREET,MONGKOK,
KOWLOON,HONGKONG

Sample Name : RUGGED SMART PHONE

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : GZMR220300495601
Date of Receipt : Mar 03, 2022
Testing Start Date : Mar 03, 2022
Testing End Date : Mar 11, 2022
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch
Testing Center

James Zheng
Authorized signatory



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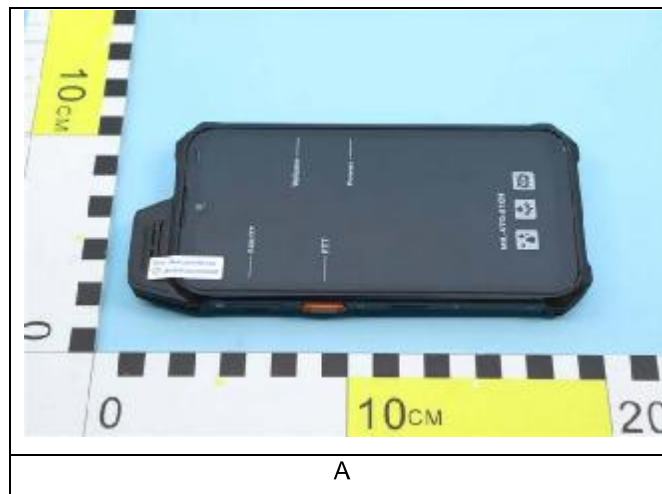
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	High Temperature Operation	With reference to MIL-STD-810H:2019 Method 501.7 (Procedure II) and client's requirement	See result	Pass
2	Drop Test	MIL-STD-810H:2019 Method 516.8 Section 4.6.5 (Procedure IV)	See result	Pass
3	Low Temperature Storage	With reference to MIL-STD-810H:2019 Method 502.7 (Procedure I) and client's requirement	See result	Pass
4	Low Temperature Operation	With reference to MIL-STD-810H:2019 Method 502.7 (Procedure II) and client's requirement	See result	Pass

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.

Original Sample Photo:



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1.Test Item: High Temperature Operation

Sample Description: Phone

Test Method: With reference to MIL-STD-810H:2019 Method 501.7(Procedure II) and client's requirement

Test Condition:

Temperature: 60 °C

Duration: 4 hours

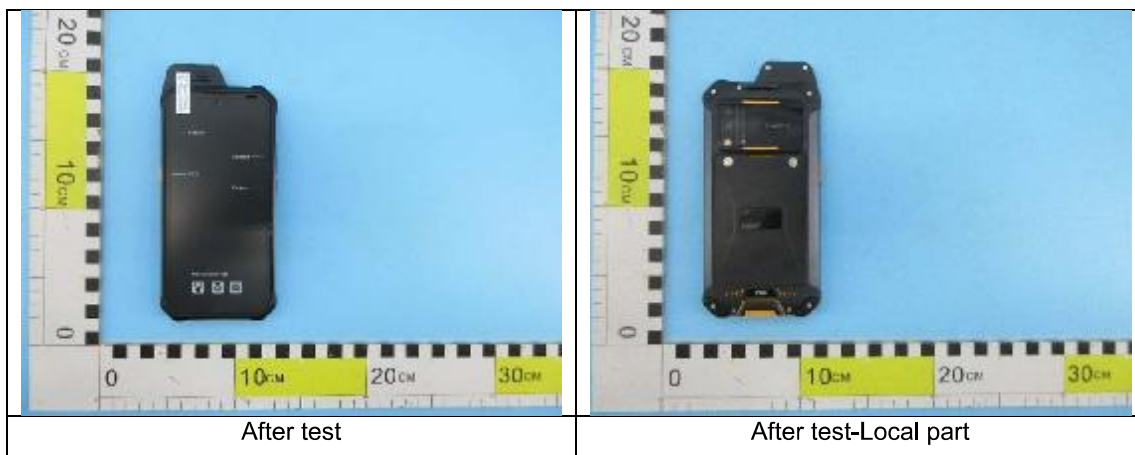
Test State: Power on

Lab Environment Condition: 15°C ~ 35°C, 25%RH ~ 75%RH

Test Result:

Sample No.	Result	Client's requirement	Conclusion
A-#1	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen could light up; 3.The buttons could react as the phone design.	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen can light up; 3.The buttons can react as the phone design.	Pass

Test Photo:



After test

After test-Local part



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
High/Low Temperature Cyclic and Damp Heat Chamber	SETH-Z-042L	GZMR-AG-E088	2021-03-24	2022-03-23



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2.Test Item: Drop Test

Sample Description: Phone

Test Method: MIL-STD-810H:2019 Method 516.8 Section 4.6.5 (Procedure IV)

Test Condition:

Drop height: 122 cm

Drop plane: 5 cm plywood backed by concrete

Drop times: Drop on each face, edge and corner; a total of 26 drops

Test State: Power off

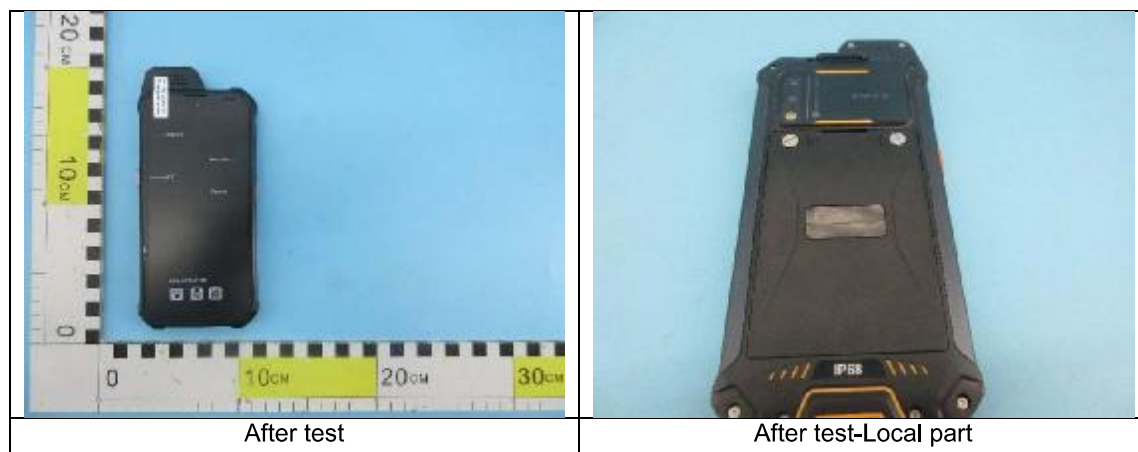
Lab Environment Condition: 15°C ~ 35°C, 25%RH ~ 75%RH

Test Result:

Sample No.	Result	Client's requirement	Conclusion
A-#1	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen could light up; 3.The buttons could react as the phone design.	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen can light up; 3.The buttons can react as the phone design.	Pass

Note: The sample has been carried out the test item 1(High Temperature Operation).

Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Drop tester	DLJ-100	GZMR-RL-E054	2021-03-26	2022-03-25



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3.Test Item: Low Temperature Storage

Sample Description: Phone

Test Method: With reference to MIL-STD-810H:2019 Method 502.7 (Procedure I) and client's requirement

Test Condition:

Temperature: -21 °C

Duration: 24 hours

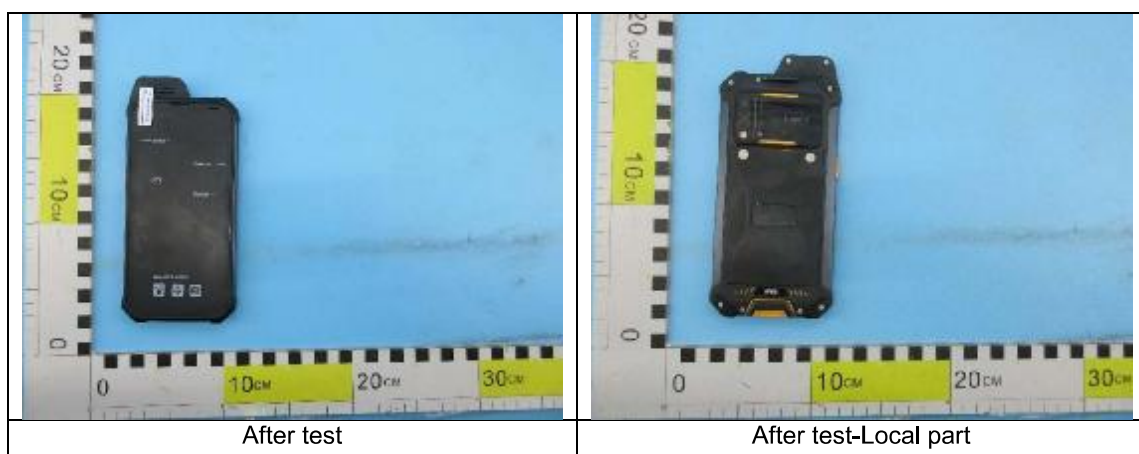
Test State: Power off

Lab Environment Condition: 23±2°C, 50±5%RH

Test Result:

Sample No.	Result	Client's requirement	Conclusion
A-#2	1.No visual fracture or deformation on the mobile phone; 2.The mobile phone screen could light up; 3.The buttons could react as the phone design.	1.No visual fracture or deformation on the mobile phone; 2.The mobile phone screen can light up; 3.The buttons can react as the phone design.	Pass

Test Photo:



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After test-Function Check



During test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
High/Low Temperature Cyclic and Damp Heat Chamber	SETH-Z-042L	GZMR-AG-E088	2021-03-24	2022-03-23



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4.Test Item: Low Temperature Operation

Sample Description: Phone

Test Method: With reference to MIL-STD-810H:2019 Method 502.7 (Procedure II) and client's requirement

Test Condition:

Temperature: -21 °C

Duration: 4 hours

Test State: Power on

Lab Environment Condition :15°C ~ 35°C, 25%RH ~ 75%RH

Test Result:

Sample No.	Result	Client's requirement	Conclusion
A-#2	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen could light up; 3.The buttons could react as the phone design.	1.No visual fracture and deformation on the mobile phone; 2.The mobile phone screen can light up; 3.The buttons can react as the phone design.	Pass

Note: The sample has been carried out the test item 3(Low Temperature Storage).

Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
High/Low Temperature Cyclic and Damp Heat Chamber	SETH-Z-042L	GZMR-AG-E088	2021-03-24	2022-03-23

Appendix information:

The above test methods were carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

***** End of report*****



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