

TEST REPORT

Product Name : Smart phone

Model Number : WP28\ WP28 S\ WP28 Pro\ WP28 Ultra

Prepared for : SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD
Address : 202, Building A2, Silicon Valley Power Intelligent Terminal
Industrial Park, No. 20, Dafu Industrial Zone, Kukeng
Community, Guanlan Street, Longhua District, Shenzhen

Prepared by : EMTEK (DONGGUAN) CO., LTD.
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Report Number : EDG2305080114R00102R

Date(s) of Tests : 2023.05.11 to 2023.05.15

Date of Issue : 2023.05.17



Applicant : SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address : 202, Building A2, Silicon Valley Power Intelligent Terminal Industrial Park, No. 20, Dafu Industrial Zone, Kukeng Community, Guanlan Street, Longhua District, Shenzhen
Sample Name : Smart phone
Model Number : WP28\ WP28 S\ WP28 Pro\ WP28 Ultra
Sample Quantity : 1PC(S)
Date of Received : 2023.05.11

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	Vibration test	MIL-STD-810H-2019 Method 514.8 4.1.1, 4.1.4	Pass
Remark: Pass: Test item meet the requirement; Fail: Test item does not meet the requirement; N/A: Test case does not apply to the test object, or provide test results only.			

Signed for and on behalf of
EMTEK (Dongguan) Co., Ltd.

Inspected by: Liu Benliang
Inspected engineer

Reviewed by: Li Lijuan
Reviewed director

Approved by: Kevin Zhang
Authorized signatory



1. Test Item: Vibration test

1.1 Sample No.: E2305080114-02

1.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
Temperature and humidity vibration comprehensive environment test equipment: Vibration test device	DC-3200-36	E-R-037-002	2023.04.19
Vibration testing machine	DC-10000-100	E-R-038	2023.12.05

1.3 Laboratory Conditions: Temperature: 25.8°C; Humidity: 57.2%RH

1.4 Test Standard: MIL-STD-810H-2019 Method 514.8 4.1.1, 4.1.4

1.5 Test Conditions:

Sample status:	Unpackaged, out of operation
Frequency range:	5~500Hz
Test direction:	X, Y, Z axis
Test duration:	40min per axis

Z axis (Vertical)		X axis (Transverse)		Y axis (Longitudinal)	
Frequency (Hz)	Acceleration (g ² /Hz)	Frequency (Hz)	Acceleration (g ² /Hz)	Frequency (Hz)	Acceleration (g ² /Hz)
5	0.12765	5	0.04070	5	0.01848
6	0.12926	6	0.04415	6	0.02373
7	0.30000	7	0.11000	7	0.05000
8	0.30000	8	0.11000	8	0.05000
9	0.10000	9	0.04250	9	0.02016
12	0.10000	12	0.04250	12	0.02016
14	0.15000	14	0.07400	14	0.05000
16	0.15000	16	0.07400	16	0.05000
19	0.04000	19	0.02000	19	0.01030
90	0.00600	100	0.00074	23	0.01030
125	0.00400	189	0.00130	25	0.00833
190	0.00400	350	0.00400	66	0.00114
211	0.00600	425	0.00400	84	0.00107
440	0.00600	482	0.00210	90	0.00167
500	0.00204	500	0.00142	165	0.00151
Rms=2.24g		Rms=1.45g		221	0.00333
				455	0.00296
				500	0.00204
				Rms=1.32g	

1.6 Judge Criteria: After the test, the appearance and function of the sample should be normal.

1.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2305080114-02	After the test, the appearance and function of the sample were normal.	Pass

1.8 Test Photo(s)



Before test

Testing (X axis)

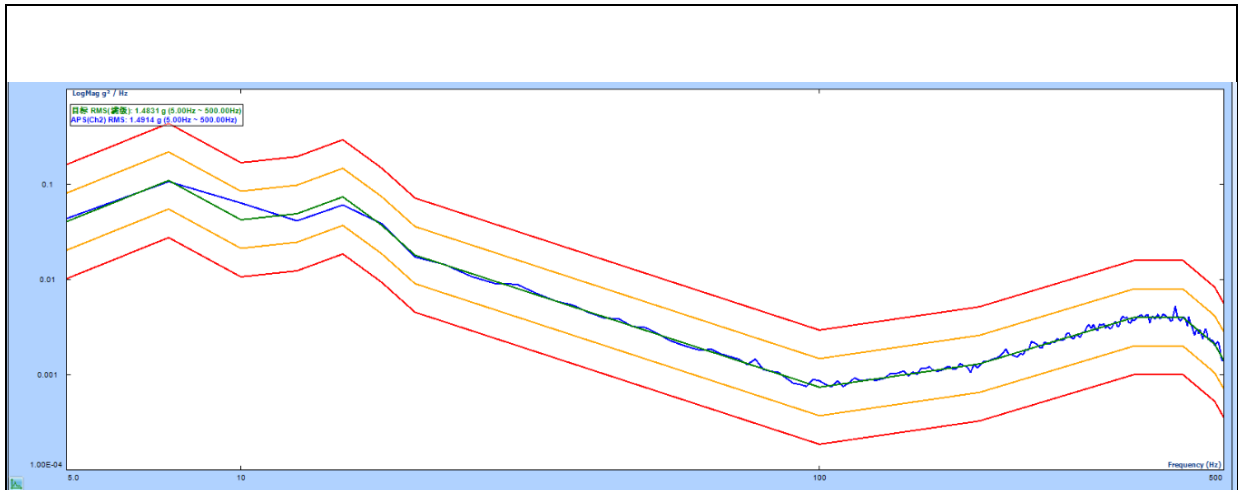
Testing (Y axis)

Testing (Z axis)

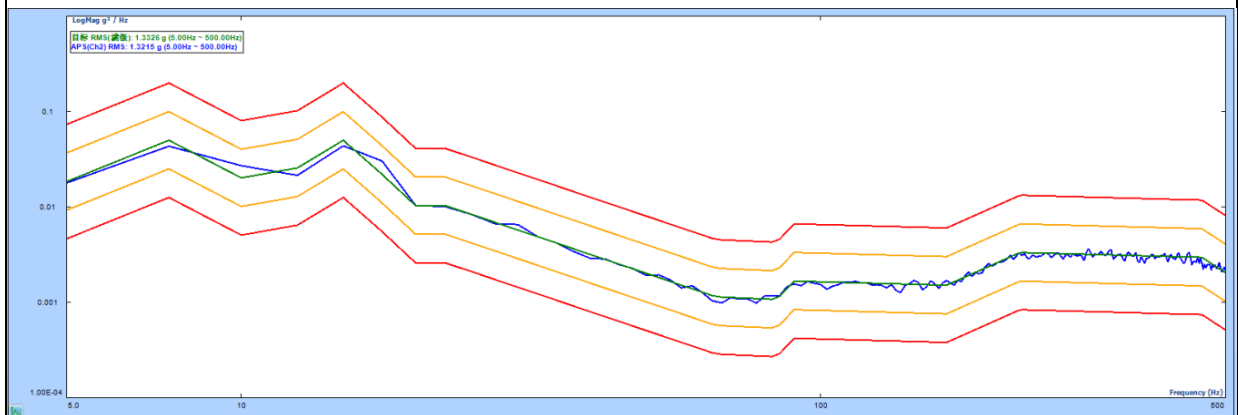
After test

Check function after test

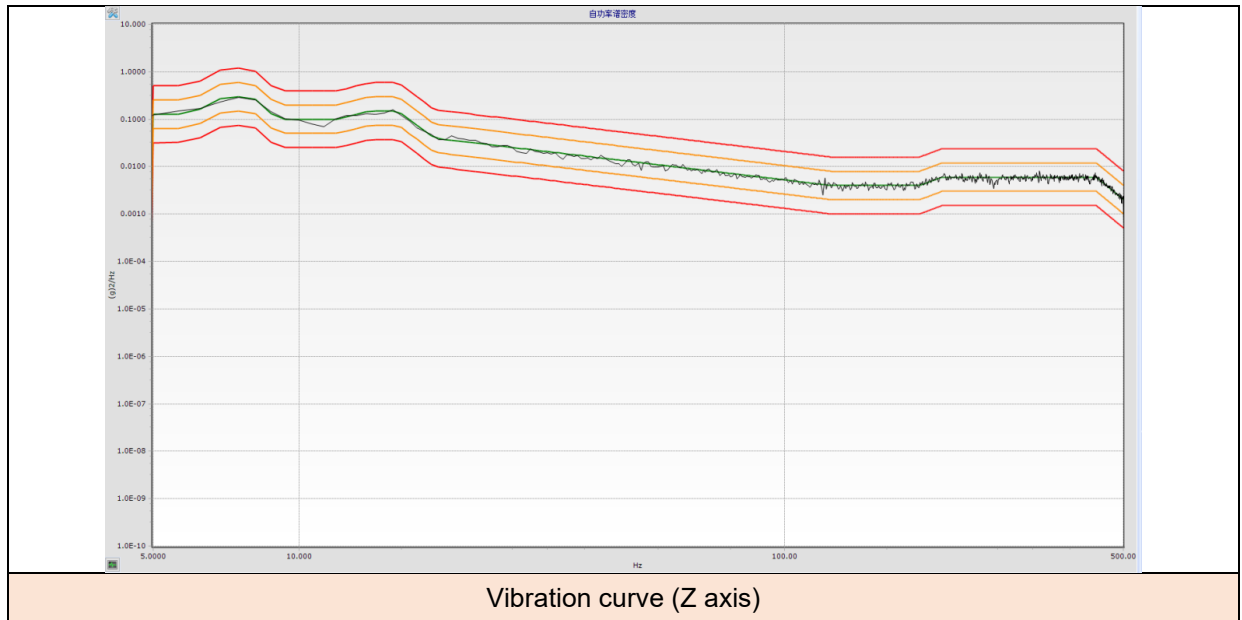
1.9 Test Curve(s)



Vibration curve (X axis)



Vibration curve (Y axis)



*** End of Report ***

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TEST REPORT

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Address: 202, Building A2, Silicon Valley Power Intelligent Terminal Industrial Park,
No. 20, Dafu Industrial Zone, Kukeng Community, Guanlan Street, Longhua
District, Shenzhen China.

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample name: Smart Phone
Model No.: WP28
Material: /
Number of sample: 2pcs
Sample Received: 2023-05-06
Testing Period: 2023-05-12

Test item: See the test summary for details
Test standard: See the test items below

Test results: Please refer to next page(s)

Wrote by: Momo Li

Reviewed by: Max Lam

Approved by: Leo Wang

Date: 2023-05-19

Authorized signatory: 王浩峰, Leo Wang



Test summary:

Serial No.	Sample name	Test item	Conclusion
1	Smart Phone	IP6X	Pass
2		IPX8	Pass

Sample information:

Serial No.	Sample name	Sample model	Sample status
1	Smart Phone	WP28	Main test model
2		WP28 S \ WP28 Pro \ WP28 Ultra	/

Note: The materials, structures, and sizes of the above samples are the same, except for the different model names.

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Test item:**1. IP6X****(1) Test equipment(s)**

Name	Model	Calibration validity period
Dust proof test chamber	ESC-100H	2023-12-25
FZ-1107C Test tool D test probe (IP4X)	FZ-1107C	2024-02-15

(2) Environmental condition(s)

Temperature: (24.2~25.2)°C

Humidity: (50~51)%RH

(3) Test standard

IEC 60529:1989+AMD1:1999+AMD2:2013 CSV

(4) Test condition(s)

- 1) Before the test, apply 1N force with the Φ 1mm steel test rod to detect the cracks in the shell of the test product.
- 2) Use a metal square mesh sieve with a diameter of 50 μ m and a mesh size of 75 μ m to filter the talc powder.
- 3) The amount of talc is 2 kg/cubic meter of the test chamber volume.
- 4) The pressure in the shell is kept below atmospheric pressure with a vacuum pump, the maximum pressure difference is 2kPa, and the test is stopped after 8 hours of pumping.

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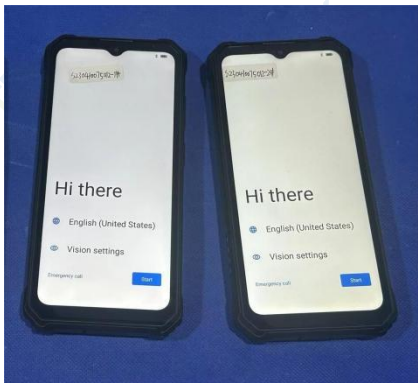


(5) Criterion

- 1) The test tool must not enter the shell at all.
- 2) Visual inspection: there should be no dust enters inside the sample.
- 3) Function check: the function should be normal.

(6) Test result(s)

Sample No.	Test result	Conclusion
S230410075012-1#	After the probe test, the test tool cannot enter the shell. After the dust proof test, there is no dust enters inside the sample, the sample can be turned on normally and the function is normal.	Pass

(7) Test photo(s)

	
Before test	Before test- function check
	
1mm probe test	Dust proof test-before test

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<p>Dust proof test-after test</p>	<p>After test</p>
	
<p>After test- function check</p>	<p>After test- disassembly check-1</p>
	
<p>After test- disassembly check-2</p>	

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2. IPX8**(1) Test equipment(s)**

Name	Model	Calibration validity period
Waterproof test system	FZ-9610	2023-12-26

(2) Environmental condition(s)

Temperature: (24.2~25.1)°C

Humidity: (49~50)%RH

(3) Test standard

IEC 60529:1989+AMD1:1999+AMD2:2013 CSV

(4) Test condition(s)

1) Water depth: 1.5m.

2) Test time: 30min.

3) The water surface should be at least 150mm above the top of the phone, and the bottom of the phone should be at least 1.5m below the water surface.

(5) Criterion

The water inflow into the enclosure should not be to harmful extent.

(6) Test result(s)

Sample No.	Test result	Conclusion
S230410075012-2#	After the test, there is no water enters inside the sample, the function is normal.	Pass

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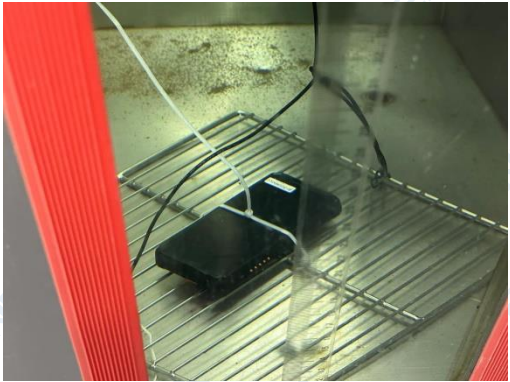
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(7) Test photo(s)

	
<p>Before test</p>	<p>Before test- function check</p>
	
<p>Testing</p>	<p>After test</p>
	
<p>After test- function check</p>	<p>After test- Disassembly check-1</p>

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After test- Disassembly check-2

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

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