



Test Report

Sample Name	:	EX-proof industrial Panel PC
Sample Model	:	IPC22240FEX-12700KA-08G-128G-1G1SM1M
Inspection Classification	:	Commission test
Manufacturer	:	Shanghai Panelmate Electronics Co.,Ltd
Client	:	Shanghai Panelmate Electronics Co.,Ltd



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Test Report

Client : Shanghai Panelmate Electronics Co.,Ltd
Address : Building 18th, No.177 Fulian 2nd Road, Baoshan District, Shanghai, 201906
Manufacturer : Shanghai Panelmate Electronics Co.,Ltd
Address : Building 18th, No.177 Fulian 2nd Road, Baoshan District, Shanghai, 201906
Factory : Panelmate Intelligent Equipment (Jiangsu) Co., Ltd.
Address : Room 101, Building 15, No.99, Mingxuan Road, Yudong Town, Haimen District, Nantong City, Jiangsu Province. 226152

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

Sample Name : EX-proof industrial Panel PC
Sample Model : IPC22240FEX-12700KA-08G-128G-1G1SM1M
Sample Quantity : 1 PC
Sample tested Status : Normal
Sample received Date : Apr. 22, 2026
Sample tested Date : Apr. 22, 2026
Trade mark : Panelmate

Test result information:

Test item : Sinusoidal vibration test, Random vibration test, Shock test
Test standard : IEC 60068-2-6:2007, IEC 60068-2-64:2019, IEC 60068-2-27:2008
Test result : Pass



Edited by

JiaHao.Ye

Apr. 27, 2026

Checked by

Kings.Su

Apr. 27, 2026

Approved by

Hart.Qiu

Apr. 27, 2026

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Test Report

Revise Record

[illegible]

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Test Report

Test Item1: Sinusoidal Vibration Test

1) Environment conditions:

Temperature: 25.1℃ Humidity: 51%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity	Sample Description
A260316074-001	EX-proof industrial Panel PC	IPC22240FEX-12700KA-08G-128G-1G1SM1M	1 PC	Normal

3) Reference Basis: IEC 60068-2-6:2007

4) Test Condition:

Frequency(Hz)	Acceleration(g)	Amplitude(mm)
2	/	1.5
13	1	/
100	1	/

1. Test axis: X, Y, Z;
2. Test period: Sweep the frequency back and forth to find resonance points(1 oct/min), and conduct a durability test for 90 minutes at each resonance point;
3. Sample test status: Bare metal/working;
4. Judgment requirements: After the test, The appearance of the sample should be free from cracking and damage, and the functional should be normal.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Valid Date to
1	Vibration tester	LCS-S-558	Mar. 2, 2027
2	Vibration tester	LCS-S-532	Mar. 2, 2027

6) Test Results:

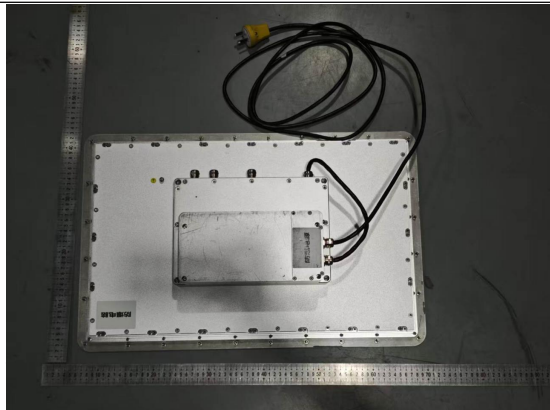
Sample No.	Test Result	Judgment
A260316074-001	After the test, There is no crack and damage on the appearance of the sample, and the functional is normal.	Pass





Test Report

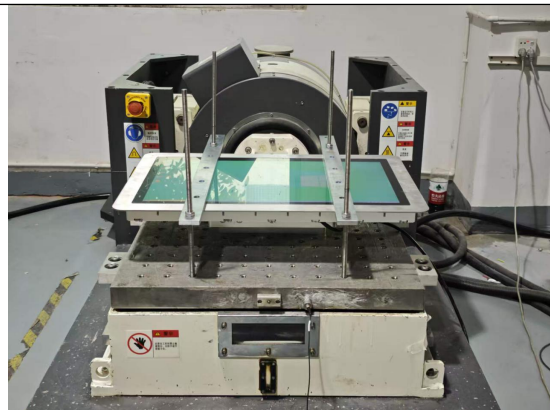
Sample Photo before the Test:



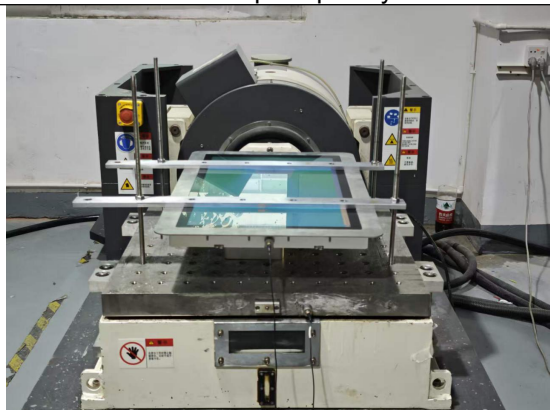
Sample Photo during the Test:



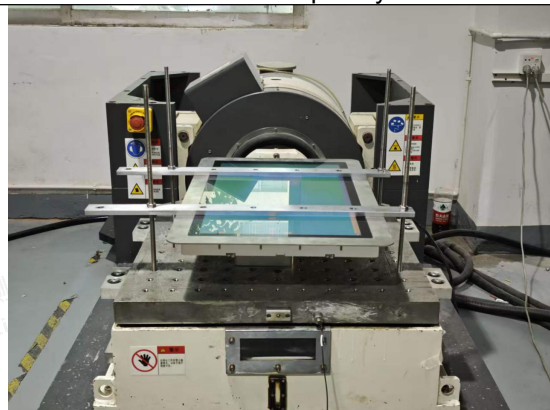
X Sweep frequency



X Fixed frequency



Y Sweep frequency



Y Fixed frequency

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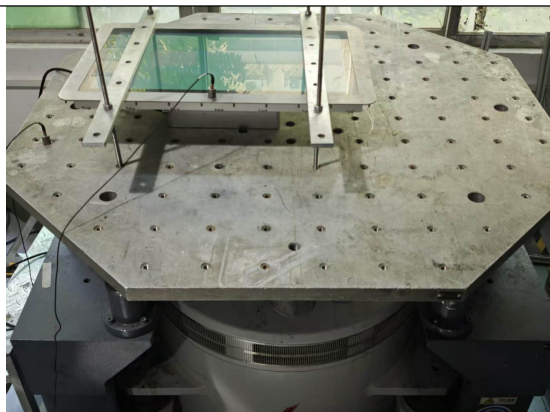
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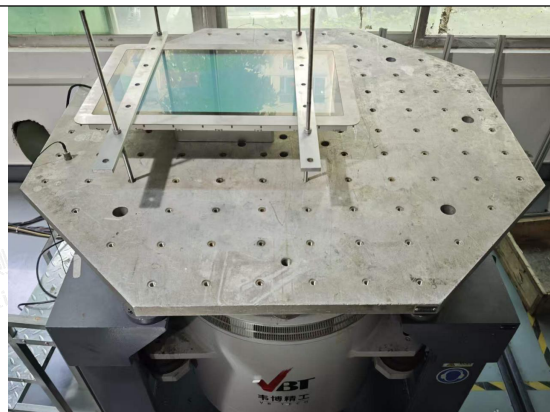


Test Report

Sample Photo during the Test:



Z Sweep frequency



Z Fixed frequency

Sample Photo after the Test:



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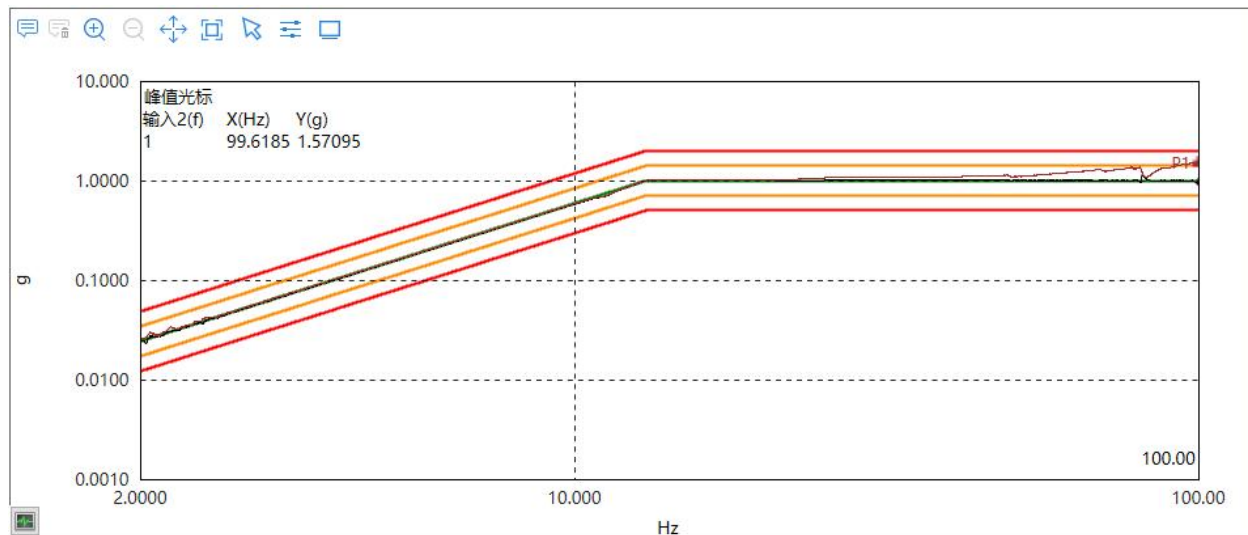
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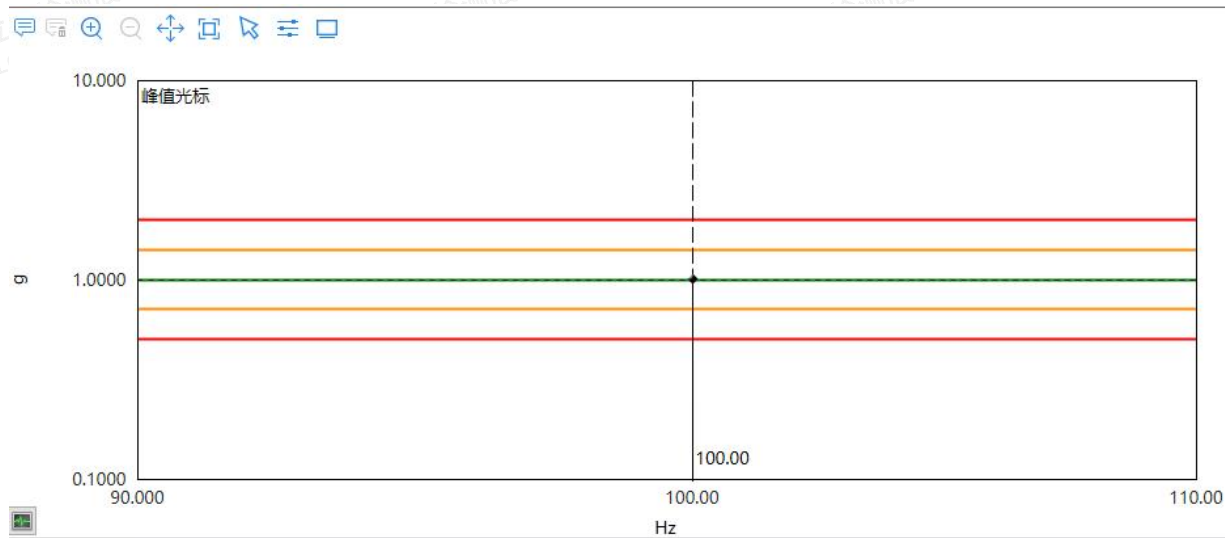
Test Report

Test curve:



信号窗口1

X Sweep frequency



信号窗口1

X Fixed frequency

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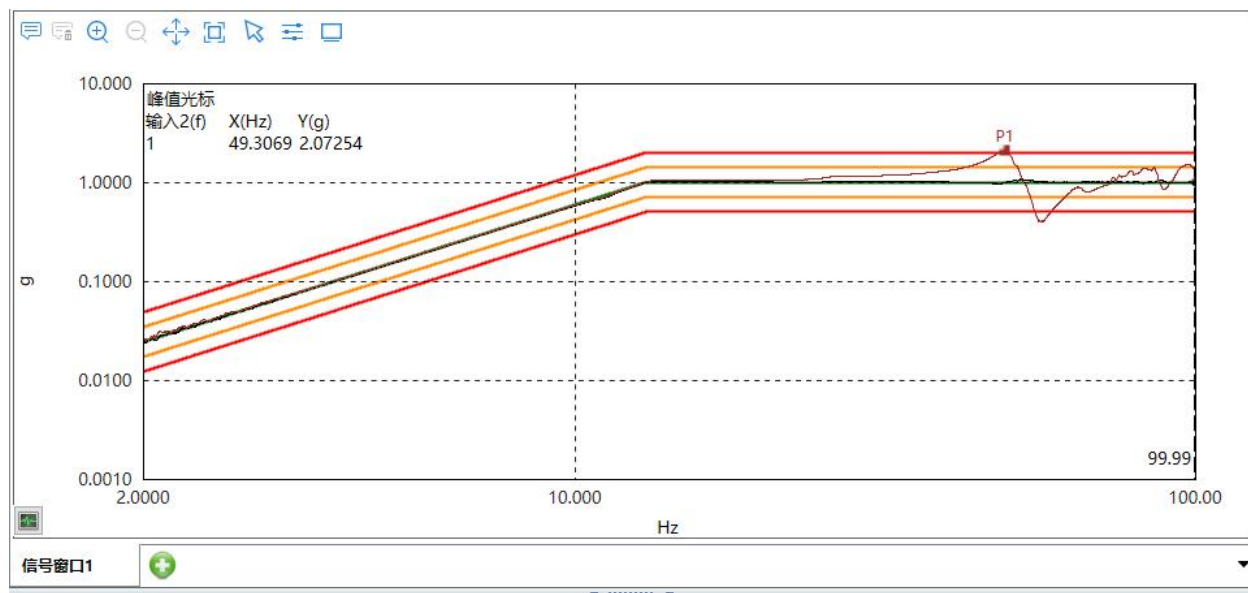
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Test Report

Test curve:



Y Sweep frequency



Y Fixed frequency

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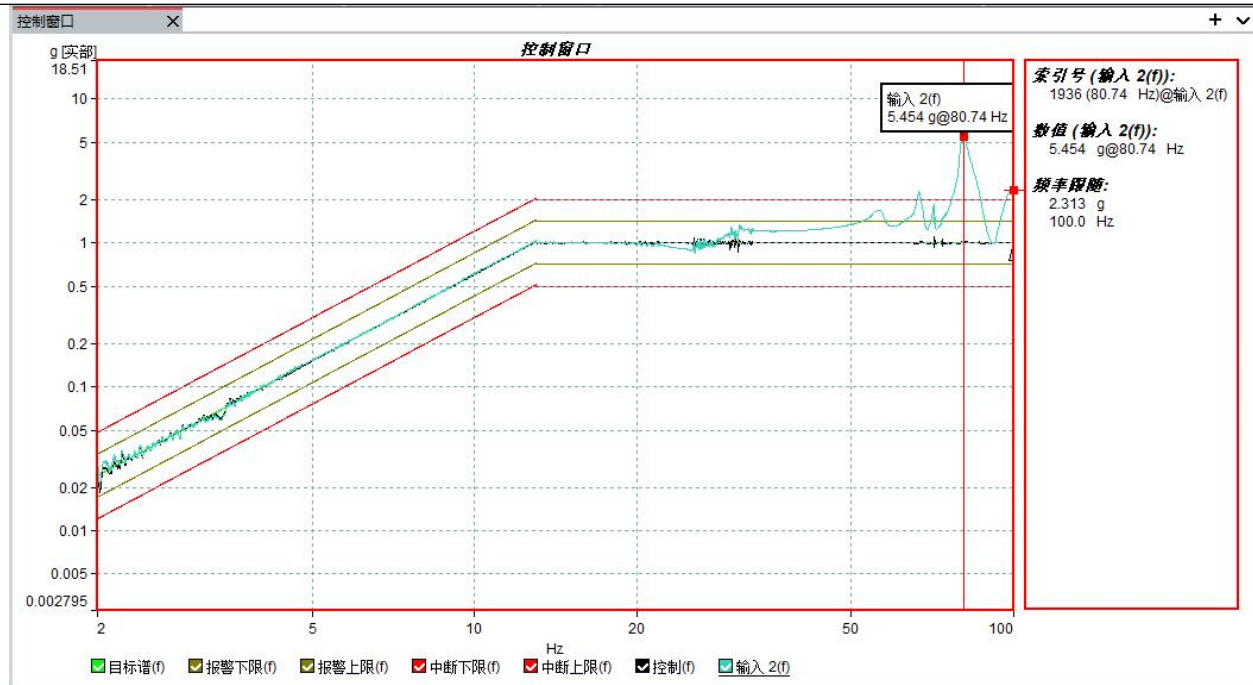
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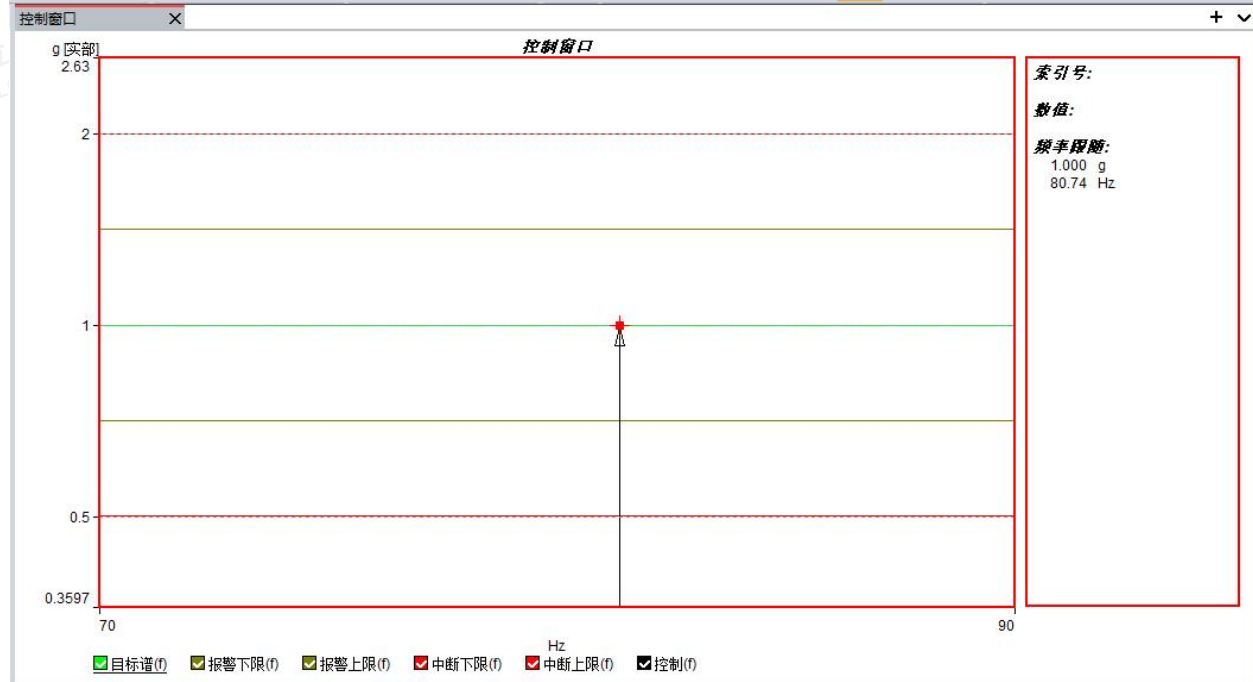


Test Report

Test curve:



Z Sweep frequency



Z Fixed frequency

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Test Report

Test Item2: Random Vibration Test

1) Environment conditions:

Temperature: 25.4℃ Humidity: 49%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity	Sample Description
A260316074-001	EX-proof industrial Panel PC	IPC22240FEX-12700KA-08G-128G-1G1SM1M	1 PC	Normal

3) Reference Basis: IEC 60068-2-64:2019

4) Test Condition:

Frequency(Hz)	Acceleration(m/s ²)/Hz	Grms(m/s ²)
20~500	0.1	6.9

1. Test axis: X, Y, Z axis;
2. Test time: 5min each axis;
3. Sample test status: Bare metal/working;
4. Judgment requirements: After the test, The appearance of the sample should be free from cracking and damage, and the functional should be normal.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Valid Date to
1	Vibration tester	LCS-S-558	Mar. 2, 2027
2	Vibration tester	LCS-S-532	Mar. 2, 2027

6) Test Results:

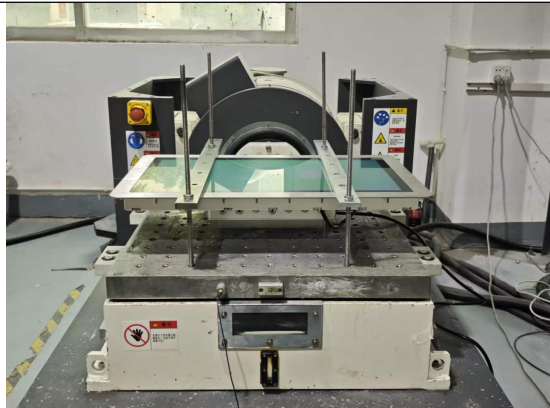
Sample No.	Test Result	Judgment
A260316074-001	After the test, There is no crack and damage on the appearance of the sample, and the functional is normal.	Pass





Test Report

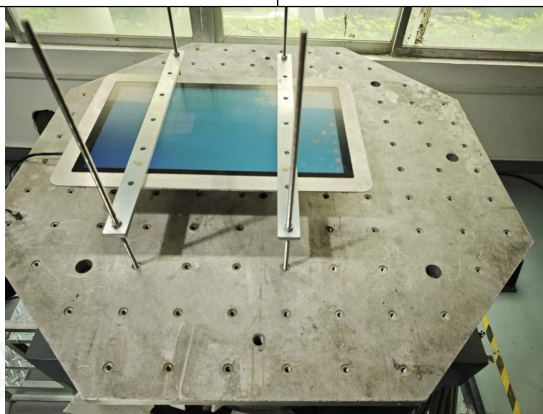
Sample Photo during the Test:



X



Y



Z

Sample Photo after the Test:



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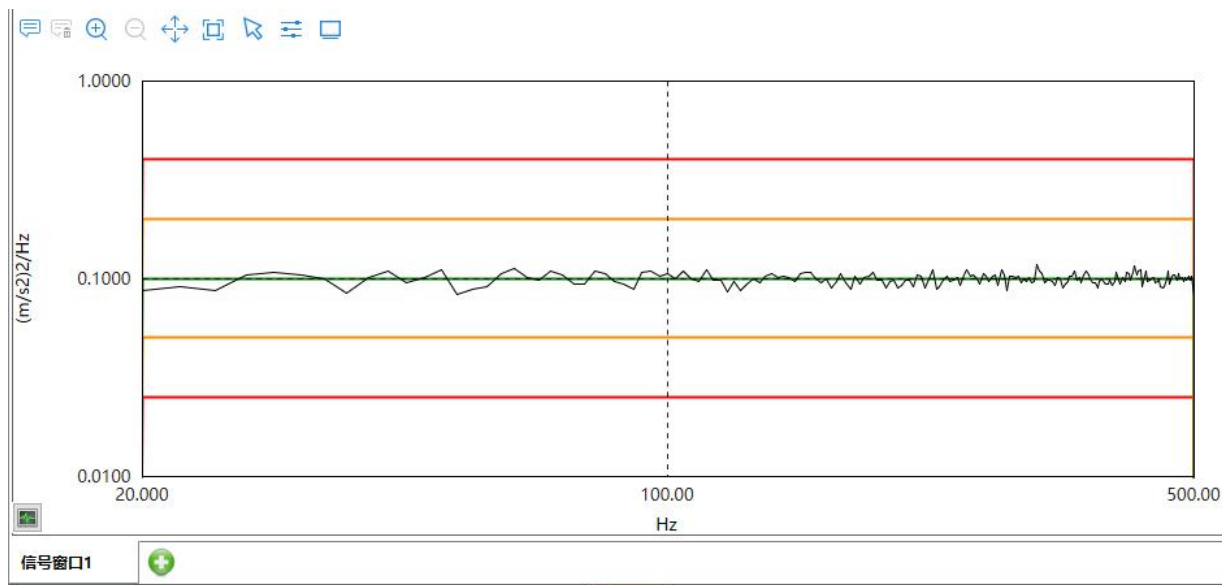


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Test curve:



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Test Item3: Shock test

1) Environment conditions:

Temperature: 24.4℃ Humidity: 48%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity	Sample Description
A260316074-001	EX-proof industrial Panel PC	IPC22240FEX-12700KA-08G-128G-1G1SM1M	1 PC	Normal

3) Reference Basis: IEC 60068-2-27:2008

4) Test Condition:

1. Impact waveform: half sine wave;
2. Acceleration: 15g;
3. Pulse time: 11 ms;
4. Test direction: $\pm X$, $\pm Y$, $\pm Z$;
5. Number of shocks: 3 / each direction for a total of 18;
6. Sample test status: Bare metal/no-working;
7. Judgment requirements: After the test,the product appearance should be free from damage, and the sample function should be normal.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Valid Date to
1	Vibration tester	LCS-S-558	Mar. 2, 2027

6) Test Results:

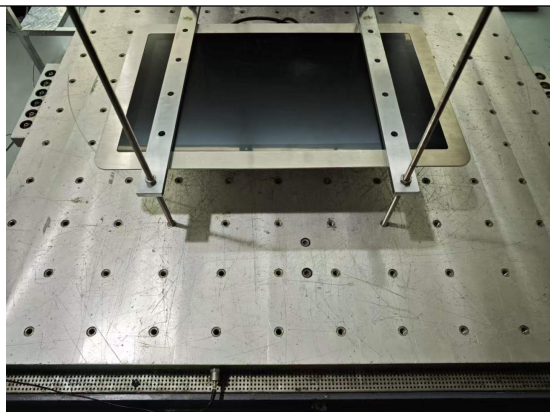
Sample No.	Test Result	Judgment
A260316074-001	After the test, the product appearance is not damaged, and the sample function is normal.	Pass



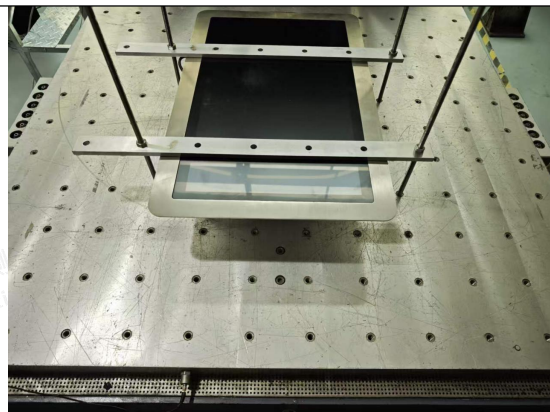


Test Report

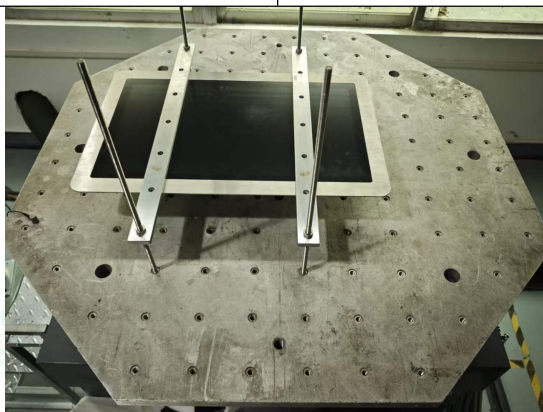
Sample Photo during the Test:



X

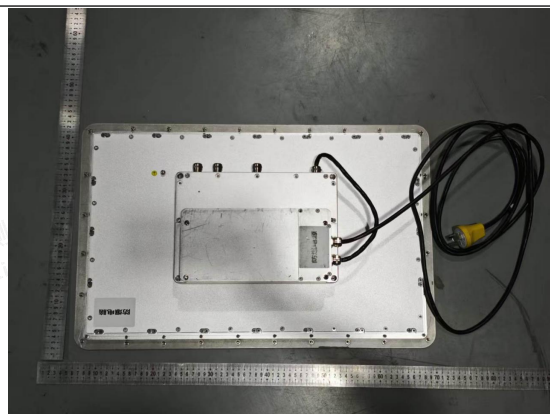


Y



Z

Sample Photo after the Test:



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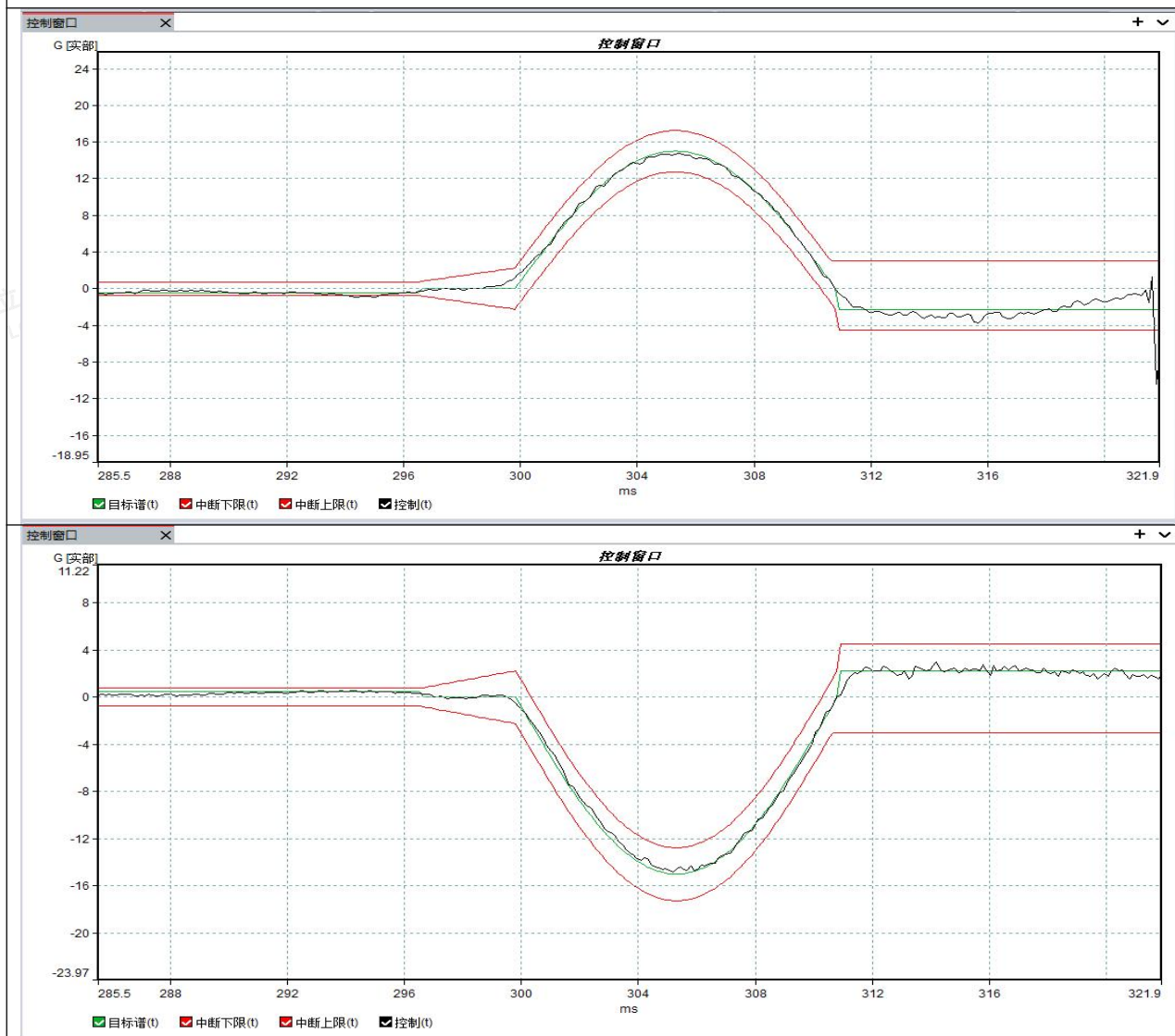


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Sample Photo after the Test:



Test curve:



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NOTES:

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2. The content of reports cannot be copied without written consent of lab.
3. The report will be invalid without signature of testing person, review person and approved person.
4. Report will be invalid if altered.
5. If there is any objection to the test report, it should be submitted to the lab within 15 days.
Otherwise, objection invalid.
6. Lab is responsible to the testing samples only.
7. The report is only for use of internal by customer or scientific research.
8. The applicant and manufacturer's information, product name, model, trademark and other information in this report are provided by the applicant, and the laboratory is not responsible for verifying their authenticity.

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**** End of Report ****

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