

# TEST REPORT

**Applicant:** Daten Tecnologia Ltda.  
**Address:** Rodovia Ilheus/Urucuca Km 3,5, Iguape – CEP: 45.658-335 – Ilhéus – BA  
–Brazil

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

Sample name: Notebook  
Model No.: Daten DCM4A-4  
Material: /  
Number of sample: 2pcs  
Sample Received: 2022-05-31  
Testing Period: 2022-05-31~2022-06-08

**Test item:** Vibration test 1、Vibration test 2  
**Test standard:** Refer to the standard MIL-STD-810H 2014 Method 514.8

**Test results: Please refer to next page(s)**

Wrote by: Momo Li

Reviewed by: Ares. wen

Approved by: Wetow Huang

Date: 2022-06-15

Authorized signatory: Wetow Huang

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**Test item:****1. Vibration test 1****(1) Test equipment(s)**

Name	Model	Calibration validity period
Vibration test system	DC-1000-15/SV-0808	2022-01-17~2023-01-16

**(2) Environmental condition(s)**

Temperature: 23.2°C

Humidity: 52%RH

**(3) Test standard**

Refer to the standard MIL-STD-810H 2014 Method 514.8 Procedure I , Category 24(Minimum Integrity Test)

**(4) Test condition(s)**

1) Sample test status: no package, no electricity.

2) Vibration parameters:

Frequency (Hz)	Slope (dB/Oct)	PSD (g <sup>2</sup> /Hz)	Grms (g)	Axial	Duration
20	/	0.04	7.698	X/Y/Z axis	1h / axis
1000	-6	0.04			
2000	-6	/			

**(5) Criterion**

According to client's requirements:

1) Use manufacture functional test program to verify functional test and pass.

2) Mechanical no feature destroyed.

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**(6) Test result(s)**

Sample No.	Test result	Conclusion
220527043-007~008	After test, the sample use manufacture functional test program to verify functional test and pass, and the mechanical no feature destroyed.	Pass

**(7) Test photo(s)**

	
Before test-1	Before test-2 (Functional check)
	
Testing-1 (X) axis	Testing-2 (Y) axis

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Testing-3 (Z) axis



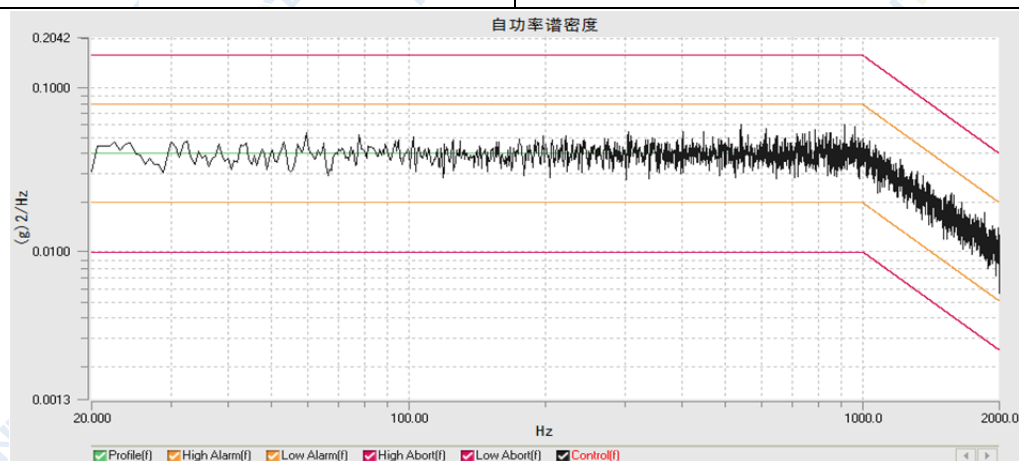
After test-1



After test-2 (Functional check)

Blank

Blank



Test curve (X) axis

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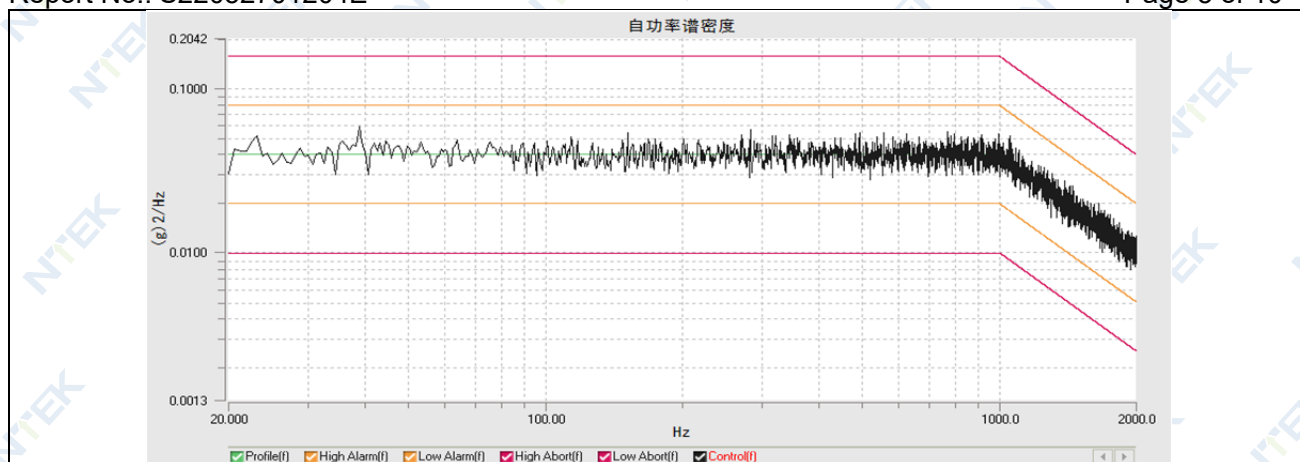
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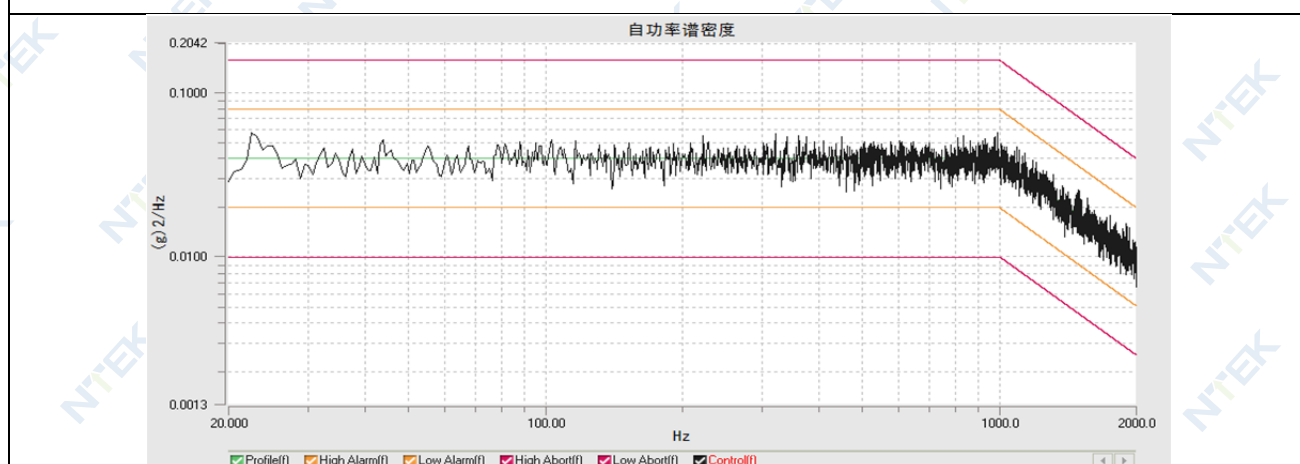
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Test curve (Y) axis



Test curve (Z) axis

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**2. Vibration test 2****(1) Test equipment(s)**

Name	Model	Calibration validity period
Vibration test system	DC-1000-15/SV-0808	2022-01-17~2023-01-16
Electric vibration test system	D-300-3	2022-01-17~2023-01-16

**(2) Environmental condition(s)**

Temperature: 23.2°C

Humidity: 52%RH

**(3) Test standard**

Refer to the standard MIL-STD-810H 2014 Method 514.8 Procedure I , Category 4 (Ground Vehicle).

**(4) Test condition(s)**

1) Sample test status: unpacked, energized.

2) Vibration parameters:

Condition 1: X axis				
Frequency (Hz)	PSD ( $g^2/Hz$ )	Grms (g)	Axial	Duration
5	0.05000	1.22	X axis	1h
7	0.06500			
8	0.06500			
11	0.02200			
87	0.00306			
475	0.00108			
500	0.00046			

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Condition 2: Y axis				
Frequency (Hz)	PSD (g <sup>2</sup> /Hz)	Grms (g)	Axial	Duration
5	0.05418	2.52	Y axis	1h
7	0.10000			
8	0.10000			
13	0.01400			
21	0.03780			
23	0.03780			
25	0.01700			
76	0.00310			
100	0.08000			
140	0.05354			
155	0.00551			
500	0.00456			
Condition 3: Z axis				
Frequency (Hz)	PSD (g <sup>2</sup> /Hz)	Grms (g)	Axial	Duration
5	0.20000	3.98	Z axis	1h
7	0.40000			
8	0.40000			
10	0.05090			
20	0.04000			
43	0.10036			
50	0.03079			
105	0.07500			
150	0.02964			
259	0.04636			
332	0.00970			
500	0.00537			

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## (5) Criterion





According to client's requirements:

- 1) Use manufacture functional test program to verify functional test and pass.
- 2) Mechanical no feature destroyed.

## (6) Test result(s)

Sample No.	Test result	Conclusion
220527043-007~008	After test, the sample use manufacture functional test program to verify functional test and pass, and the mechanical no feature destroyed.	Pass

## (7) Test photo(s)

	
Before test-1	Before test-2 (Functional check)
	
Testing-1 (X) axis	Testing-2 (Y) axis

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Testing-3 (Z) axis



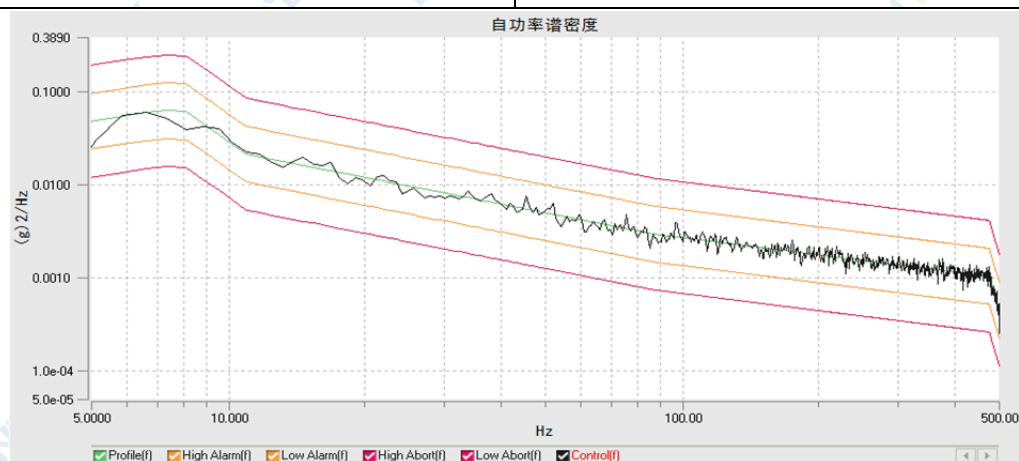
After test-1



After test-2 (Functional check)

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Blank



Test curve (X) axis

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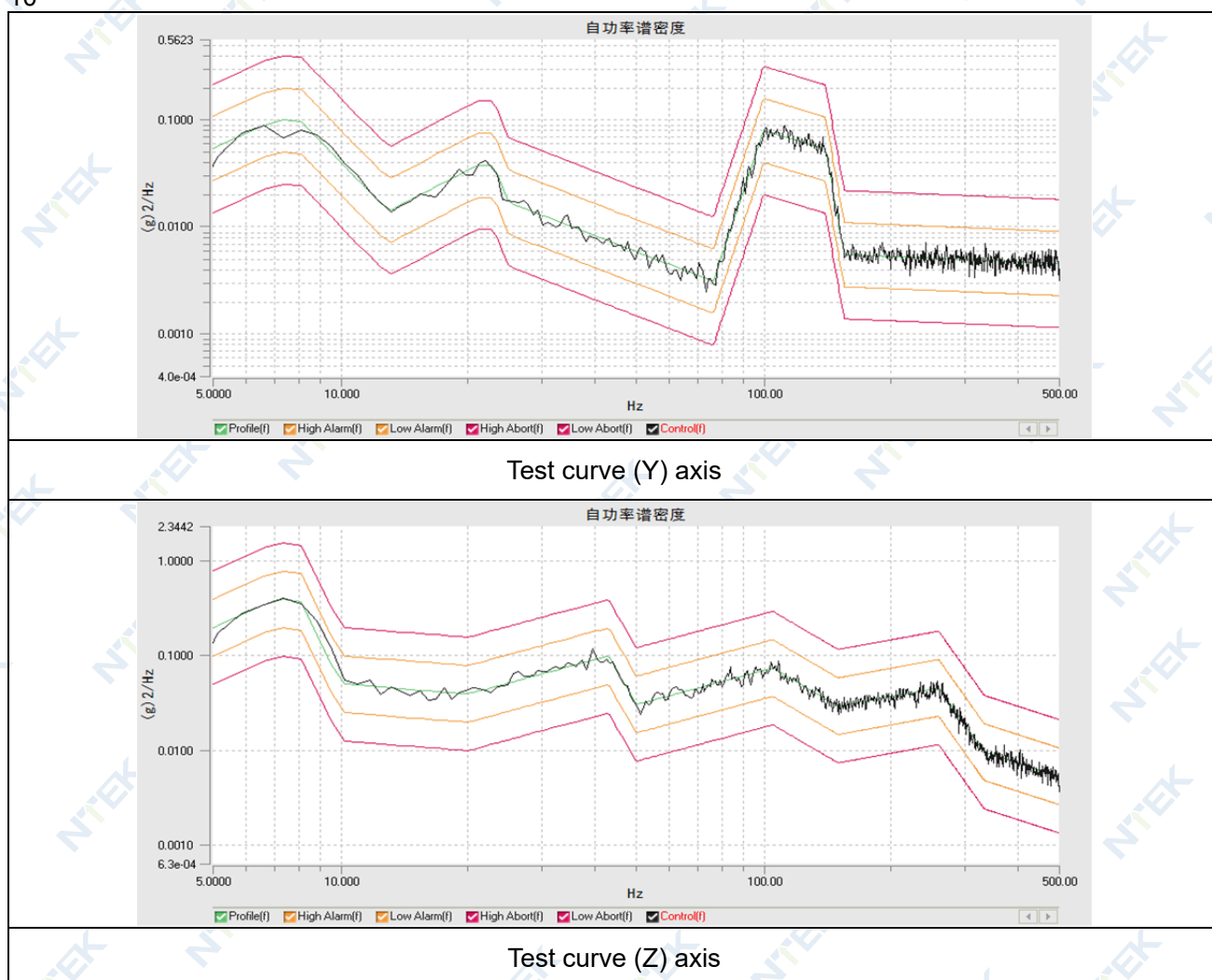
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\*\*\*\*End of Report\*\*\*\*

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