

VIBRATION SOURCE TECHNOLOGY CO., LTD.

Vibration Testing Laboratory

Add: No.29, Lane 65, Sanjun St., Shulin Dist., New Taipei City 23864, Taiwan (R.O.C.)

Tel: 886-2-2688-0999 Fax: 886-2-2688-0977

E-mail: info@vibsource.com

Report No.: VS-TV-1140102-08

Test Report

Date of Issue: 2025 / 01 / 02

Specimen :	SN2010-AA-HSC
Applicant Name :	PERFECTRON CO., LTD. TAIWAN BRANCH (B.V.I)
Applicant Address :	2 F., No. 190, Sec. 2, Zhongxing Rd., Xindian Dist., New Taipei City 23146, Taiwan (R.O.C.)

The result of this test report performed by

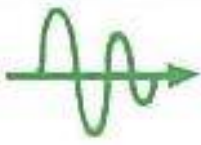
VIBRATION SOURCE TECHNOLOGY CO., LTD. is specified in this report.

When the cover and the following 14 pages are separated, the validity of this report no longer exists.

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Signature





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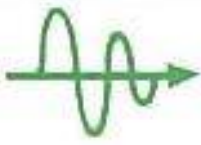
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Report No.: VS-TV-1140102-08

I - Test Information

Test Report No.	VS-TD-1140102-08
Applicant Name	PERFECTRON CO., LTD. TAIWAN BRANCH (B.V.I)
Specimen	SN2010-AA-HSC
Quantity	1 PCS
Date of Test	Dec 27 , 2024
Test Item	Test 1: Vibration Test
Sample Condition	Non-Operating
Test Condition	Waveform: Random Wave Frequency Range: (500 ~ 2000) Hz Acceleration: 7.5 Grms PSD: 0.0375 G ² / Hz Vibration Axial: (X · Y · Z) Axis Single Axis Time: 30 minutes Total Time: 90 minutes FIG 1.1 ~ 1.4: X axis direction mounted & Posterior check. FIG 2: X axis test screen FIG 3.1 ~ 3.4: Y axis direction mounted & Posterior check FIG 4: Y axis test screen FIG 5.1 ~ 5.4: Z axis direction mounted & Posterior check FIG 6: Z axis test screen



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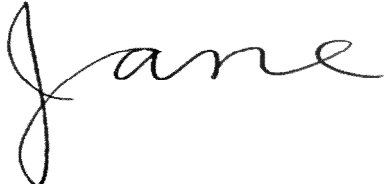
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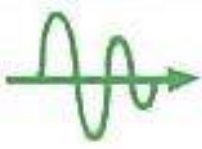
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Test Item	Test 2 : Shock Test	
Sample Condition	Non-Operating	
Test Condition	Waveform: Half Sine Wave Shock Peak Acceleration: 75 G Duration Time: 11 ms Vibration Axial: +Z 、 -Z Axis Shock Time: 1 time Total Time: 2 times FIG 7.1 ~ 7.4: +Z axis direction mounted & Posterior check FIG 8: +Z axis test screen FIG 9.1 ~ 9.4: -Z axis direction mounted & Posterior check FIG 10: -Z axis test screen	
Test Result	Appearance: No external physical damage. Function: Upon Applicant's comment.	
Test Conducted By		Report Prepared By
Manson		Jane
		



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Test 1 : Vibration Test (Non-operating)

FIG.1.1 : X Axis direction mounted.

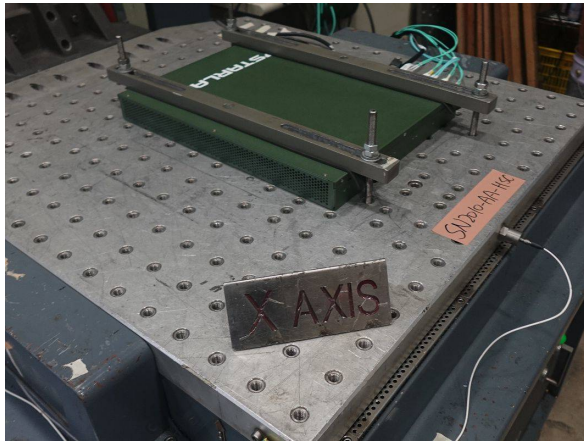
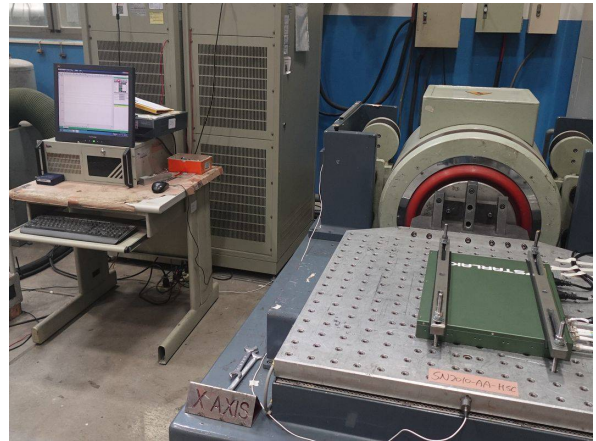
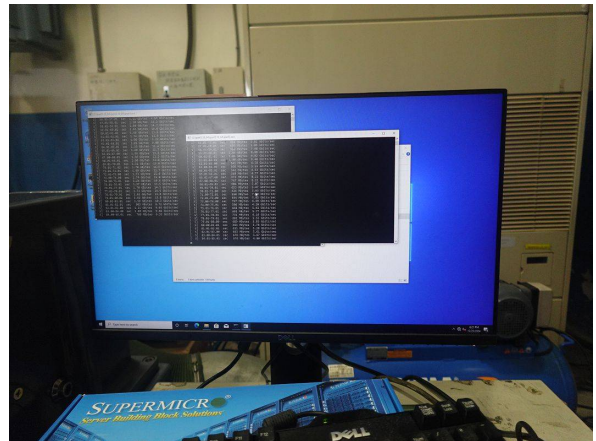
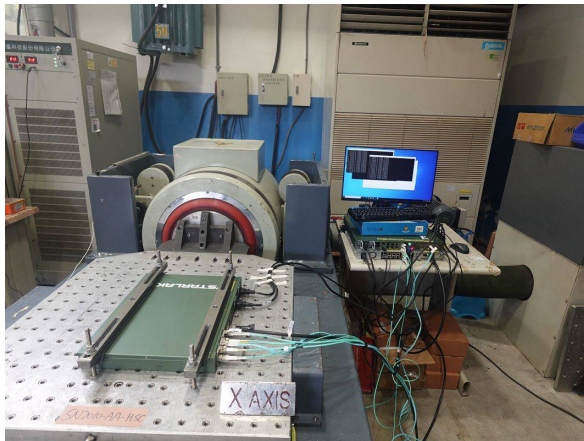
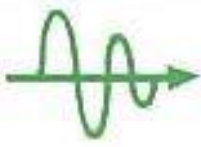


FIG.1.2 : X Axis direction mounted.



X Axis Posterior check





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FIG.2 : X Axis Test screen.



Current Level: 0.00 dB

Demand RMS: 7.504 g

Control RMS: 7.506 g

Frame Time: 0.4000 (s)

Lines: 800

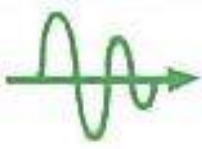
dF: 2.5 Hz

DOF: 300

Current Level Time: 00:30:00

Remaining Time: 00:00:00

Data was saved as a file at time: 024-12-26 AM 10:10:05



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FIG.3.1 : Y Axis direction mounted.

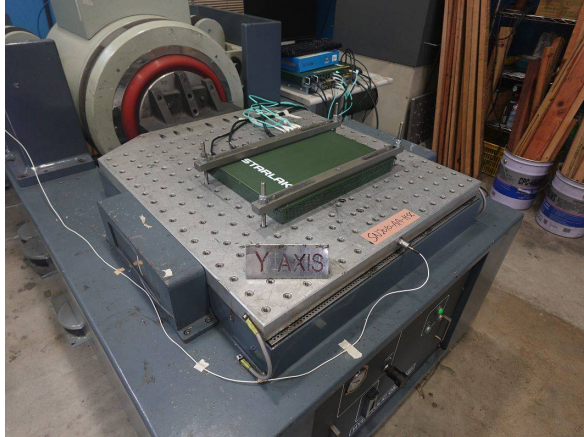
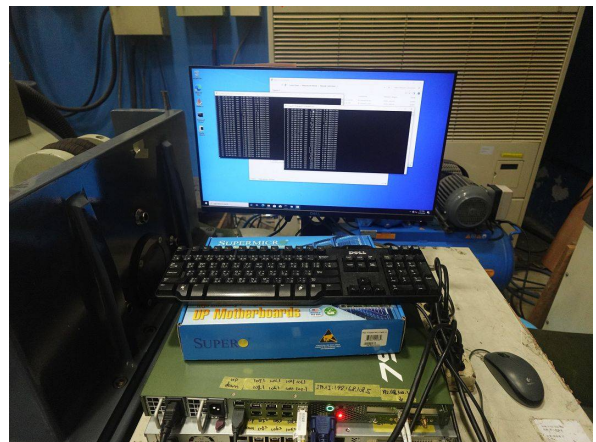
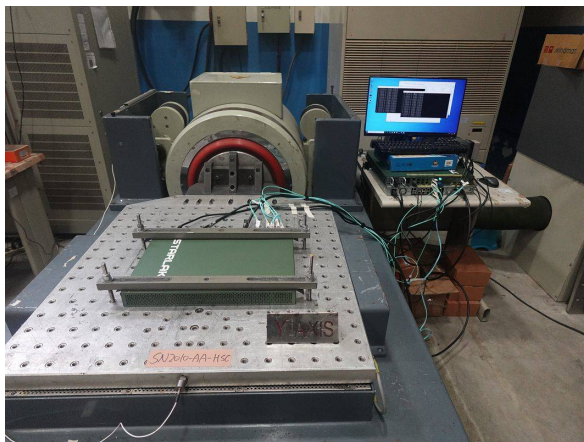
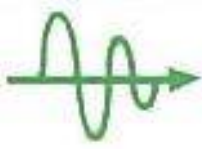


FIG.3.2 : Y Axis direction mounted.



Y Axis Posterior check





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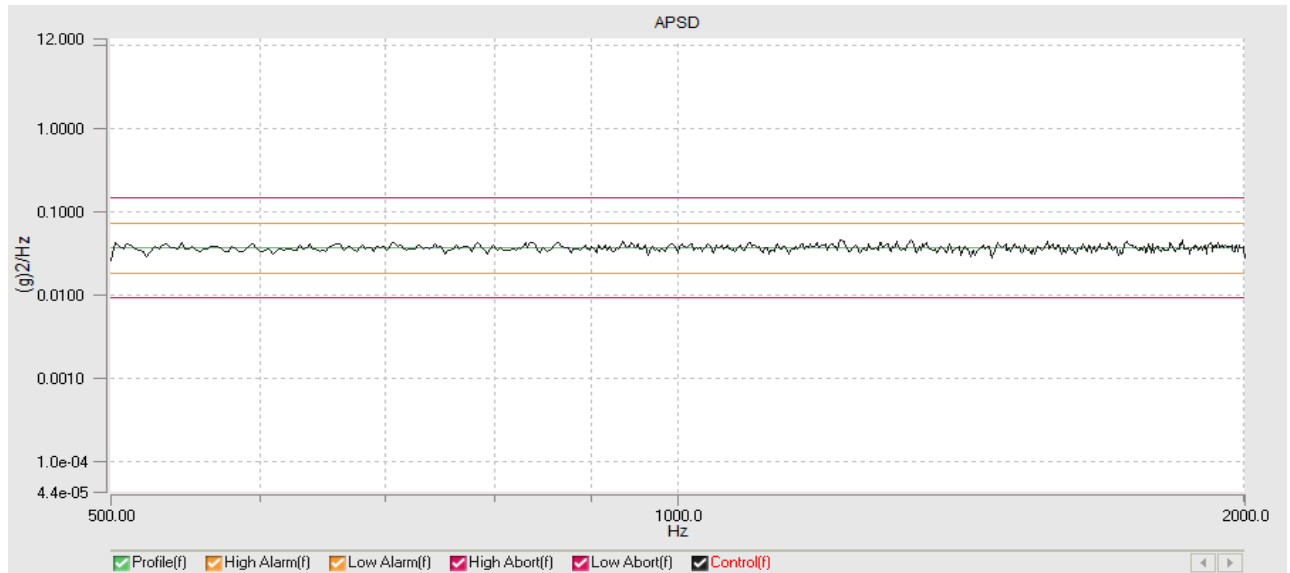
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FIG.4 : Y Axis Test screen.



Current Level: 0.00 dB

Demand RMS: 7.504 g

Control RMS: 7.505 g

Frame Time: 0.4000 (s)

Lines: 800

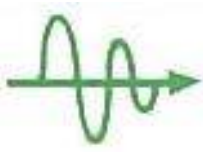
dF: 2.5 Hz

DOF: 300

Current Level Time: 00:30:00

Remaining Time: 00:00:00

Data was saved as a file at time: 2024-12-26 AM 10:52:47



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FIG.5.1 : Z Axis direction mounted.

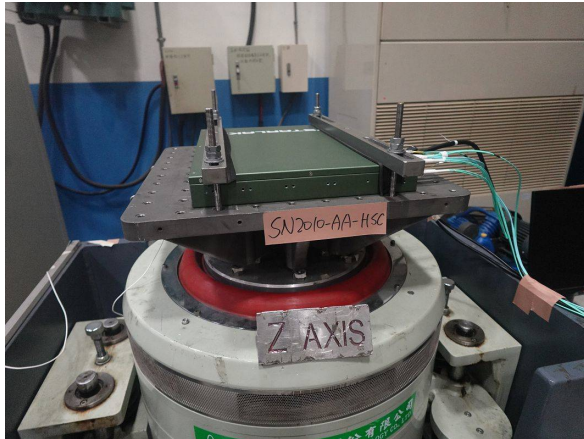
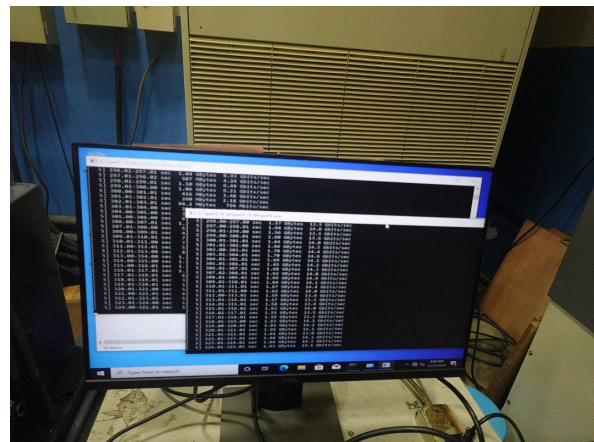
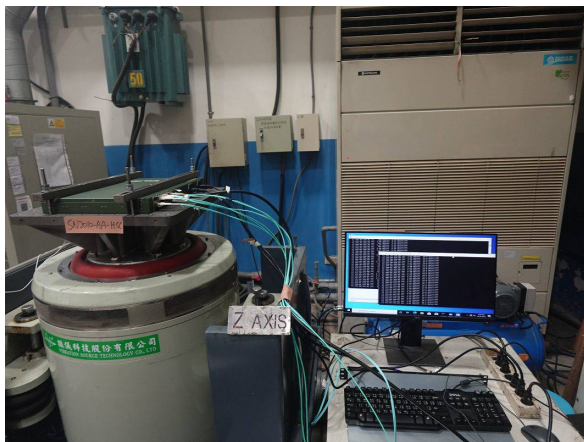
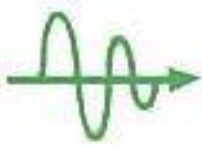


FIG.5.2 : Z Axis direction mounted.



Z Axis Posterior check





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FIG.6 : Z Axis Test screen.



Current Level: 0.00 dB

Demand RMS: 7.504 g

Control RMS: 7.485 g

Frame Time: 0.4000 (s)

Lines: 800

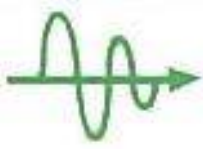
dF: 2.5 Hz

DOF: 300

Current Level Time: 00:30:00

Remaining Time: 00:00:00

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Test 2 : Shock Test (Non-operating)

FIG.7.1 : +Z Axis direction mounted.

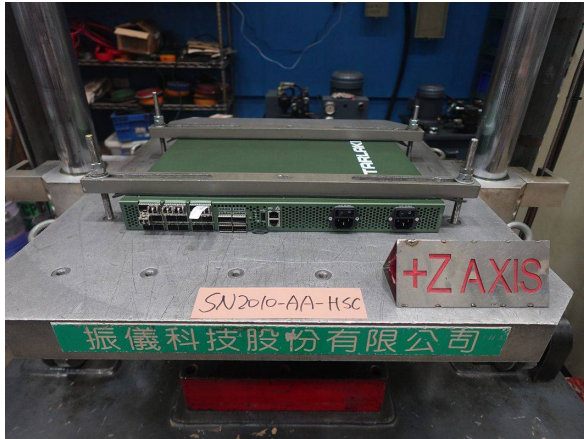
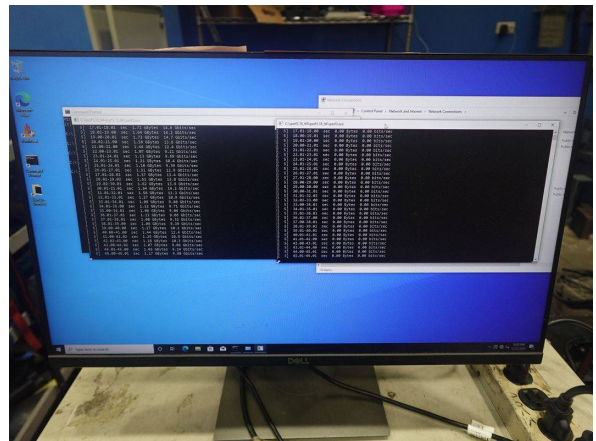
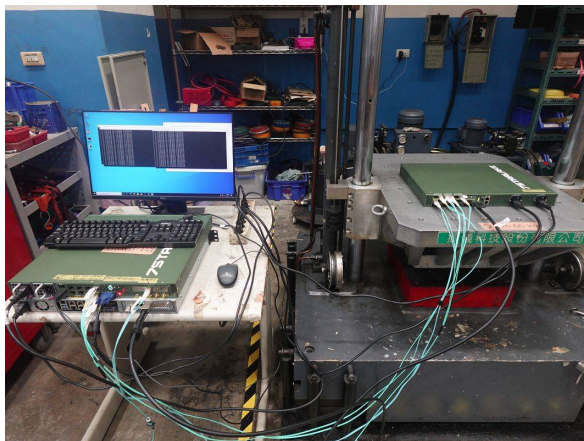
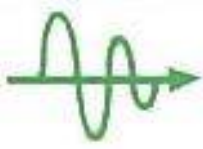


FIG.7.2 : +Z Axis direction mounted.



+Z Axis Posterior check





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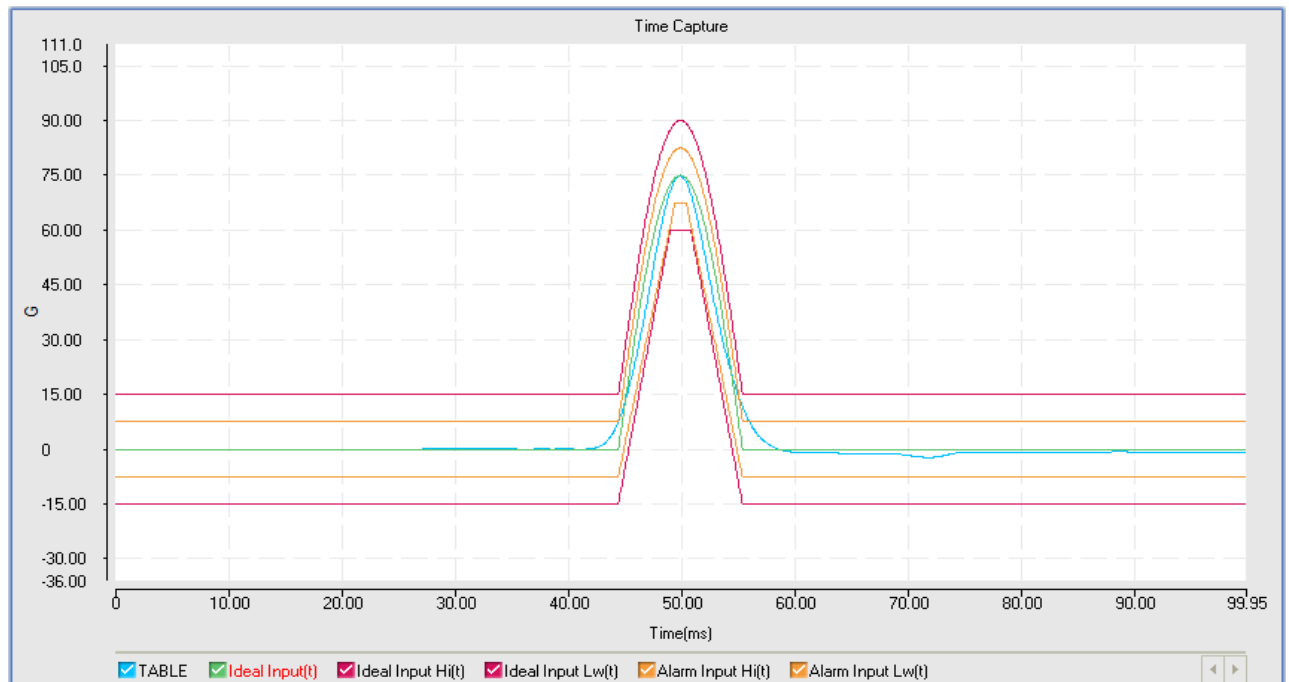
Tel: 886-2-2688-0999 Fax: 886-2-2688-0977

E-mail: info@vibsource.com

Report No.: VS-TV-1140102-08

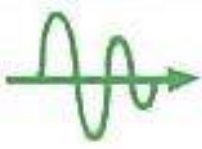
FIG.8 : +Z Axis Test screen.

Name	G	ms	cm/s	LP Filter(Hz)	Maximum(G)	Minimum(G)	Description
Ideal Input(t)	75.00	11.00	514.06	--	75.00	0.00	
TABLE	74.73	11.59	489.22	363.64	74.73	-2.26	



Total Frames:6 Current Frames:6

Test Time:2024-12-26 13:52:52 Reporting Time:2024-12-26 14:32:12



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FIG.9.1 : -Z Axis direction mounted.

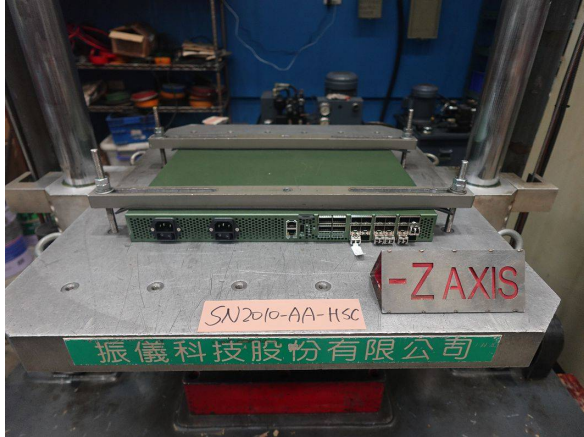
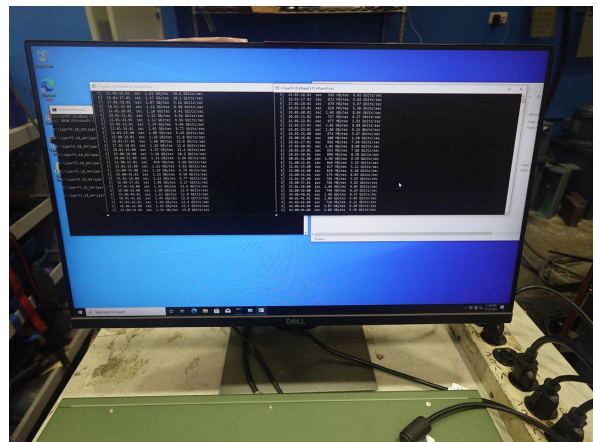
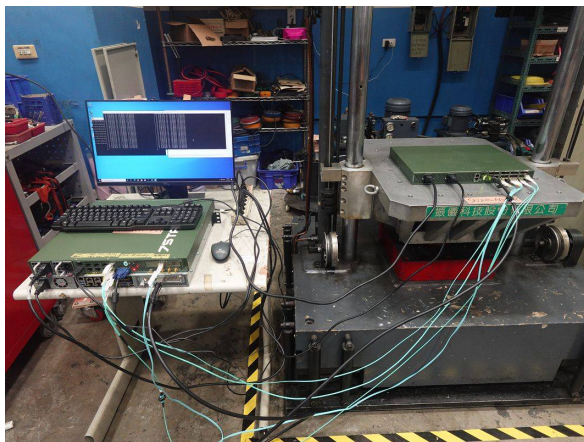
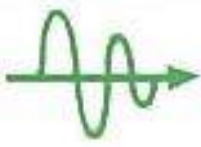


FIG.9.2 : -Z Axis direction mounted.



-Z Axis Posterior check





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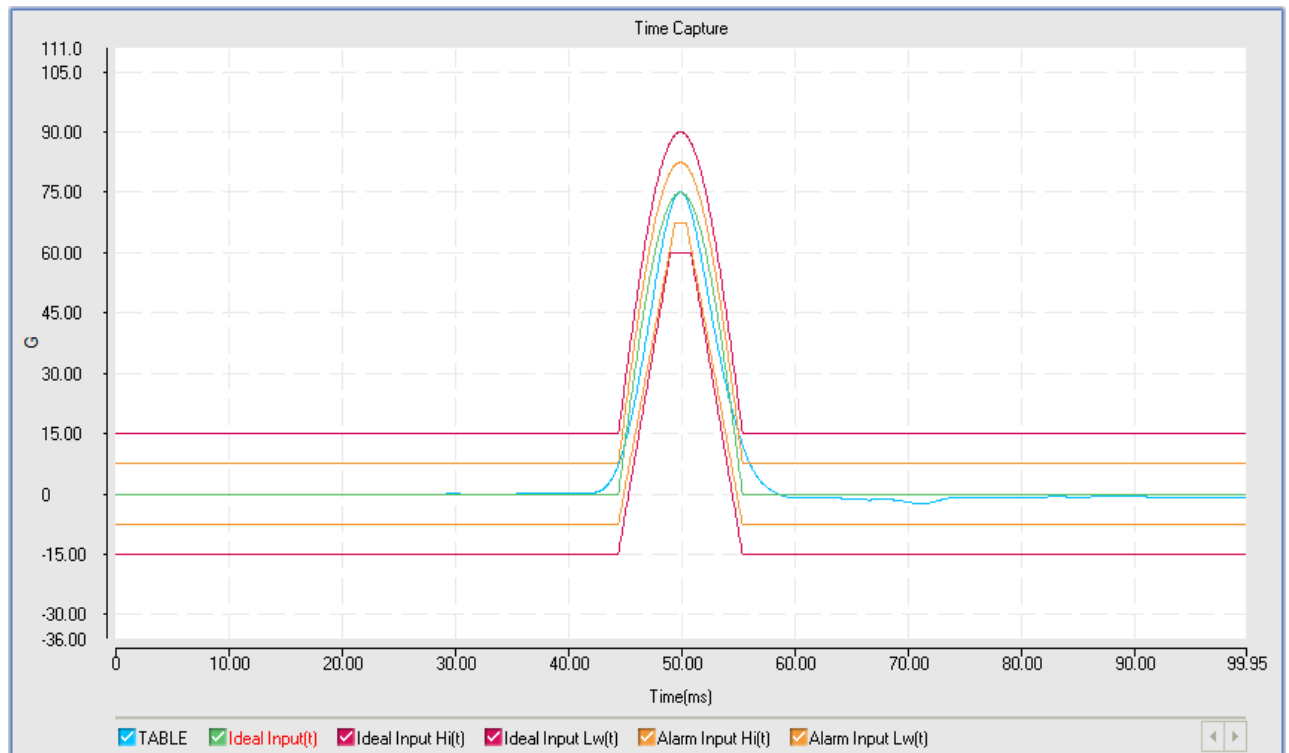
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E-mail: info@vibsource.com

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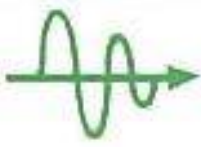
FIG.10 : -Z Axis Test screen.

Name	G	ms	cm/s	LP Filter(Hz)	Maximum(G)	Minimum(G)	Description
Ideal Input(t)	75.00	11.00	514.06	--	75.00	0.00	
TABLE	75.14	11.60	491.73	363.64	75.14	-2.44	



Total Frames:7 Current Frames:7

Test Time:2024-12-26 13:52:52 Reporting Time:2024-12-26 14:40:43



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Report No.: VS-TV-1140102-08

II · Test Description

1. Date of Test

This test was performed on Dec 26, 2025

2. Test Location

This test was performed on NO. 29, Lane 65, Sanjun St., Shulin Dist., New Taipei City 23864, Taiwan.

3. Test Methods

This test was carried out according to the following documents: (VS-LP-TV-01)V3.1.

4. Test standard instruments

Test standard instruments and matching accelerometer, as below:

Specimen	Manufacturer	Model	Serial NO.	Calibration Date	Validity Date
Electrodynamics Type Vibration Tester	Vibration Source Technology CO., LTD	VS-2000VH	T0701	2024/03/08	2025/03/07
Accelerometer	PCB	J353B32	86797		

Calibration and Traceability to Vibration Source Technology CO., TD.
Vibration Calibration Laboratory (TAF 2465)
(Calibration Report No.: VS-CV-1130308-01)

Specimen	Manufacturer	Model	Serial NO.	Calibration Date	Validity Date
Mechanical Shock Tester	Vibration Source Technology CO., LTD	SHOCK-100	1000	2024/03/01	2025/02/28
Accelerometer	PCB	353B04	176827		

Calibration and Traceability to Vibration Source Technology CO., LTD.
Vibration Calibration Laboratory
(Calibration Report No.: VS-CS-1130301-02)

III · Reference

- Vibration testing procedures (VS-LP-TV-01)V3.1
VIBRATION SOURCE TECHNOLOGY CO., LTD.
The End.