

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-TS-091030-02

Test Report

Date of Issue: 2020 / 10 / 30

Specimen	Nuvo-8023
Applicant Company Name	Neousys Technology Inc.
Applicant Address	15F, No. 868-3, Zhongzheng Rd., Zhonghe Dist., New Taipei City, 23586, Taiwan

The result of this test report, performed by

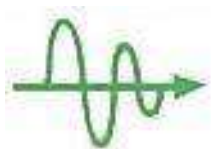
VIBRATION SOURCE TECHNOLOGY CO., LTD. is specified in this report.

When the cover and the following 12 pages are separated, the validity of this report no longer exists.

Without the consent of the laboratory, this test report shall not be copied excerpts, but except for full-text copy.

Signature





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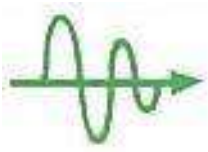
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Report No.: VS-TS-091030-02

I 、 Test Information

Test Report NO.	VS-TS-091030-02
Applicant Company Name	Neousys Technology Inc.
Applicant Address	15F, No. 868-3, Zhongzheng Rd., Zhonghe Dist., New Taipei City, 23586, Taiwan
Manufacturer Company Name	Neousys Technology Inc.
Manufacturer Address	15F, No. 868-3, Zhongzheng Rd., Zhonghe Dist., New Taipei City, 23586, Taiwan
Product Name	Nuvo-8000 Series (With dual 2.5 Inch SSD)
Brand (Trade) Name	NEOUSYS TECHNOLOGY 
Quantity	1 PCS
Power Rating	8-35Vdc
MAX Working Frequency	4.6 GHz
Basic Model name	Nuvo-8023
Date of Test	OCT 26, 2020
Test Standard	Shock:MIL-STD-810G w/CHANGE 1, Method 516.7, Procedure I - Functional 6 faces($\pm X$, $\pm Y$, $\pm Z$ axes/ 3 shock, total: 18 shocks)



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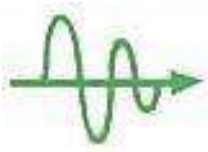
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Test Item	Shock Test
Sample Condition	Operating (execute " BurnIn Test ")
Test Condition	Waveform: Final Peak Sawtooth Wave Acceleration: 20G Duration Time: 11ms Vibration Axial: 3 Axis , 6 Faces Shock Times: 3 time Total Time: 18 times FIG 1.1 ~ 1.2: +X axis direction mounted FIG 2: +X axis test screen FIG 3.1 ~ 3.2: -X axis direction mounted FIG 4: -X axis test screen FIG 5.1 ~ 5.2: +Y axis direction mounted FIG 6: +Y axis test screen FIG 7.1 ~ 7.2: -Y axis direction mounted FIG 8: -Y axis test screen FIG 9.1 ~ 9.2: +Z axis direction mounted FIG 10: +Z axis test screen FIG 11.1 ~ 11.2: -Z axis direction mounted FIG 12: -Z axis test screen FIG 13.1 ~ 13.2: Posterior check.
Test Result	Appearance: No external physical damage Function: Upon Applicant's comment.



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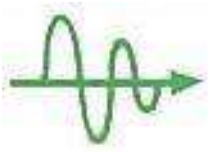
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E-mail: info@vibsource.com

Report No.: VS-TS-091030-02

Test Result	Appearance: No external physical damage Function: Upon Applicant's comment.
Test Conducted By	Report Prepared By
Archie Chen <i>Archie Chen</i>	Archie Chen <i>Archie Chen</i>



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Test 3 : Shock Test

FIG 1.1: +X axis direction mounted



FIG 1.2: +X axis direction mounted



FIG.2 : +X Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 20.007 g

Block Size: 2048

Frame Time: 0.3413 s

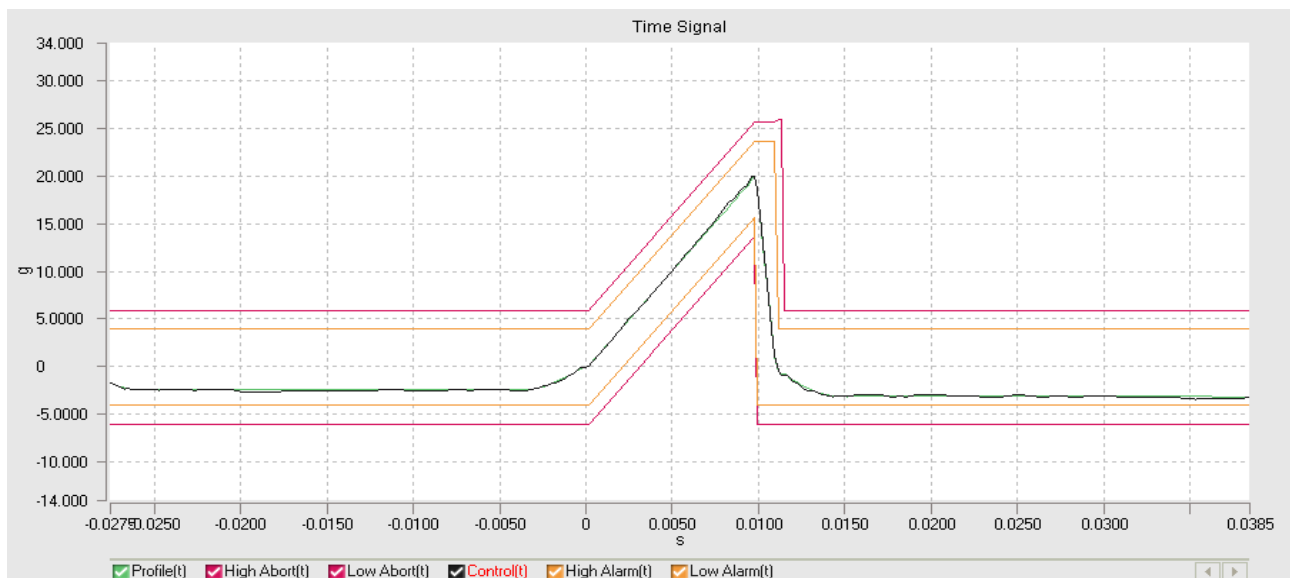
dT: 0.000166667 s

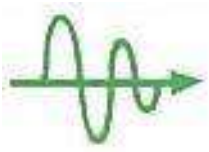
Current Pulses: 3

Output pulses: 12

Remain pulses: 0

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FIG 3.1: -X axis direction mounted



FIG 3.2: -X axis direction mounted



FIG.4 : -X Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 21.035 g

Block Size: 2048

Frame Time: 0.3413 s

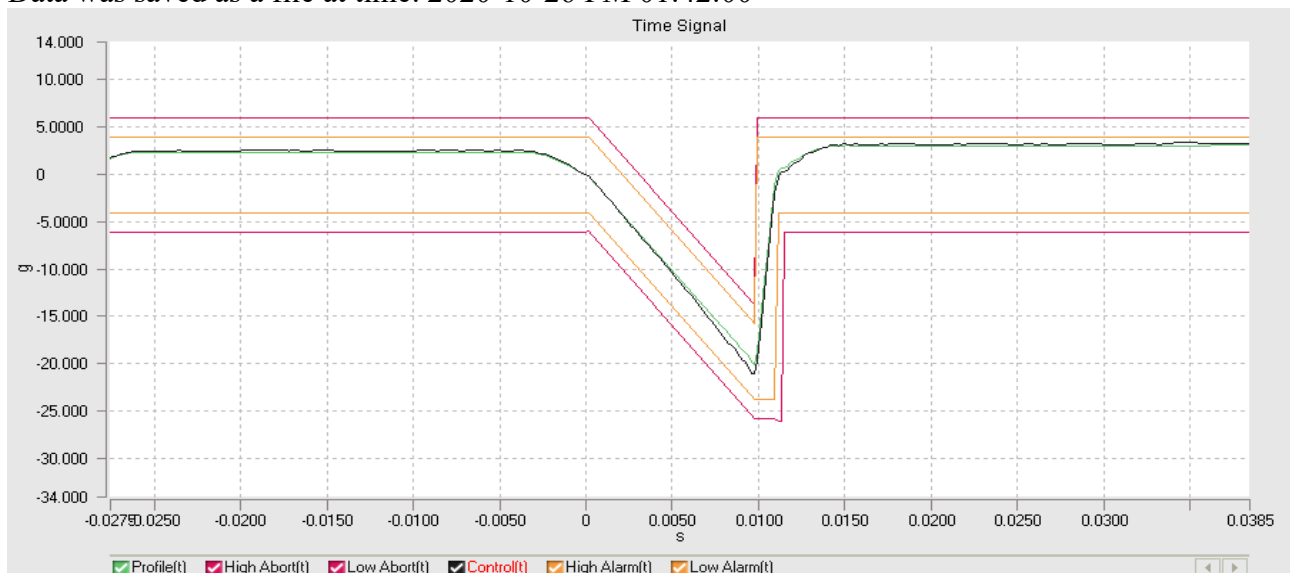
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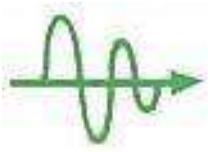
Current Pulses: 3

Output pulses: 13

Remain pulses: 0

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FIG 5.1: +Y axis direction mounted

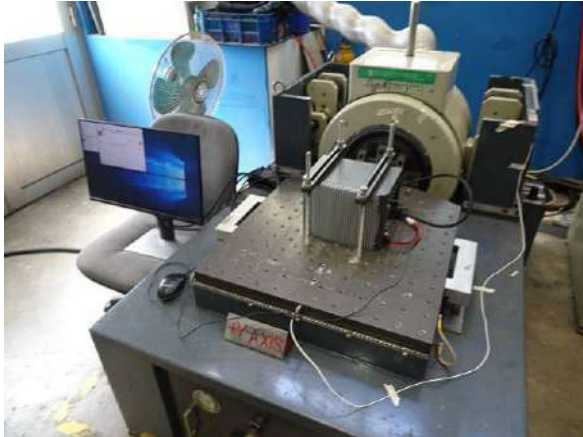


FIG 5.2: +Y axis direction mounted



FIG.6 : +Y Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 20.012 g

Block Size: 2048

Frame Time: 0.3413 s

dT: 0.000166667 s

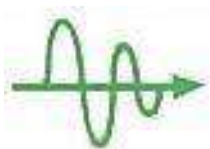
Current Pulses: 3

Output pulses: 13

Remain pulses: 0

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FIG 7.1: -Y axis direction mounted

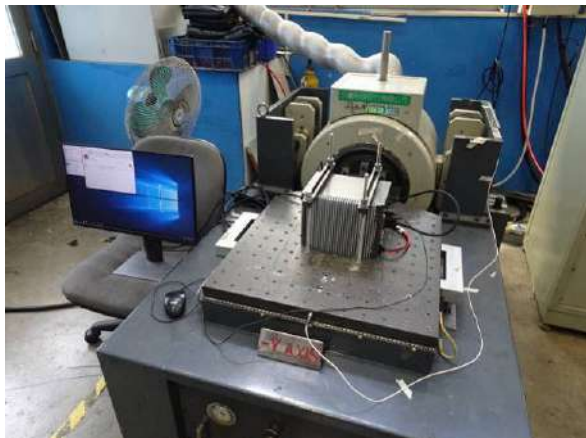


FIG 7.2: -Y axis direction mounted



FIG.8 : -Y Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 20.611 g

Block Size: 2048

Frame Time: 0.3413 s

d T: 0.000166667 s

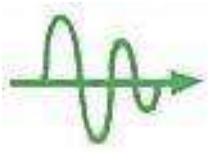
Current Pulses: 3

Output pulses: 13

Remain pulses: 0

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FIG 9.1: +Z axis direction mounted

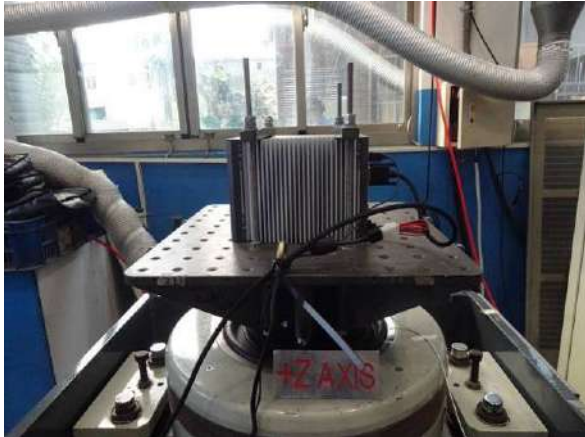


FIG 9.2: +Z axis direction mounted



FIG.10 : +Z Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 19.938 g

Block Size: 2048

Frame Time: 0.3413 s

dT: 0.000166667 s

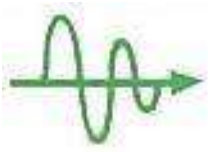
Current Pulses: 3

Output pulses: 12

Remain pulses: 0

Data was saved as a file at time: 2020-10-26 PM 02:16:29





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FIG 11.1: -Z axis direction mounted



FIG 12.2: -Z axis direction mounted



FIG.13 : -Z Axis Test screen.

Shock Type: Final Peak Saw Tooth

Mag: 20.00 g

Pulse Duration: 11 ms

Current level: 0 dB

Demand peak: 20.000 g

Control peak: 20.103 g

Block Size: 2048

Frame Time: 0.3413 s

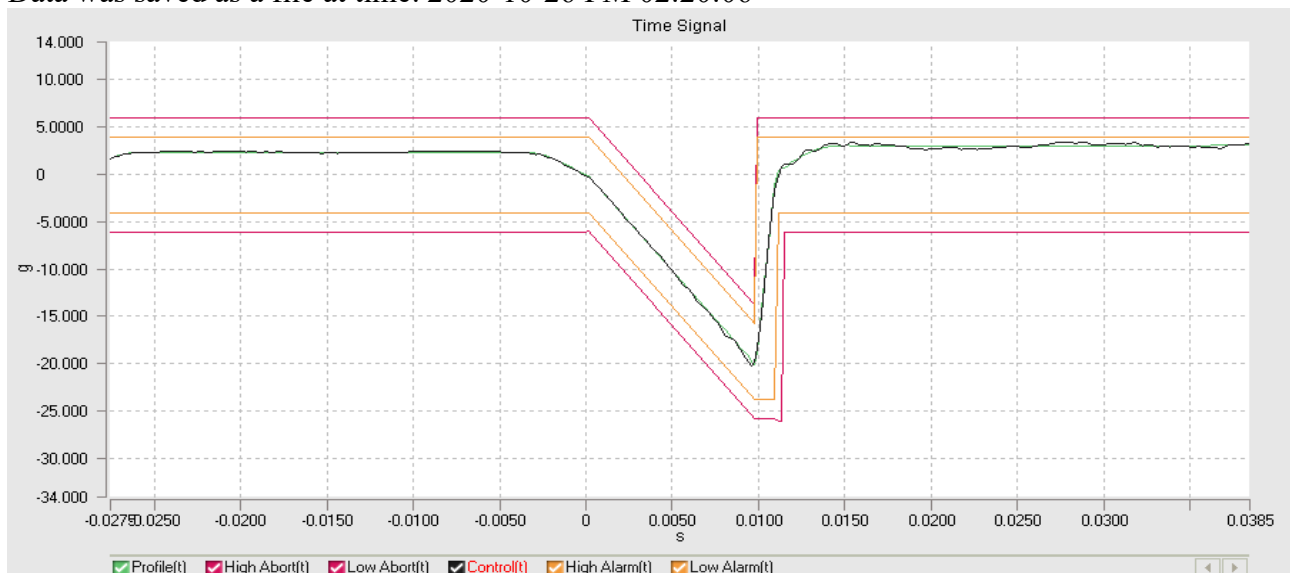
dT: 0.000166667 s

Current Pulses: 3

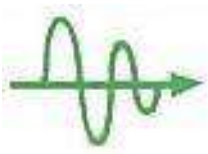
Output pulses: 12

Remain pulses: 0

Data was saved as a file at time: 2020-10-26 PM 02:20:06







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Report No.: VS-TS-091030-02

II 、 Test Description

1. Date of Test

This test was performed on OCT 26, 2020

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-TS-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-1000VH	1099	2020/03/16	2021/03/15
Accelerometer	PCB	J352C34	153392		

Calibration and Traceability to Vibration Source Technology CO., LTD.
Vibration Calibration Laboratory (TAF 2465)
(Calibration Report No.: VS-CV-090316-01)

Specimen	Manufacturer	Model	Serial NO.	Calibration Date	Validity Date
Electrodynamics Type Vibration Tester	Vibration Source Technology CO., LTD	VS-1000V	T0801	2020/01/06	2021/01/05
Accelerometer	PCB	353B34	LW225254		

Calibration and Traceability to Vibration Source Technology CO., LTD.
Vibration Calibration Laboratory (TAF 2465)
(Calibration Report No.: VS-CV-090106-02)

III 、 Reference

1. Vibration testing procedures (VS-LP-TV-01) V3.1.
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The End.