

KING DESIGN INDUSTRIAL CO., LTD.

5F, NO. 3, Lane 270, Pei Shen Road Sec. 3,
Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

VIBRATION TEST LABORATORY

<http://www.kdi.tw>
<http://www.vibration.com.tw>
E-mail: service@kdi.tw**TESTING / INSPECTION REPORT**

REPORT NO : VT-201023-1



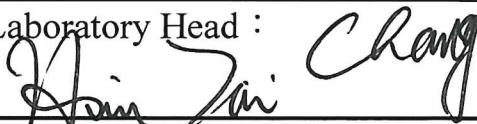
COMPANY : PERFECTRON Co., Ltd.
ADDRESS : 2F., No.190, Sec. 2, Zhongxing Rd.,
Xindian Dist., New Taipei City 23146, Taiwan (R.O.C.)
TEL : +886-2-8911-8077
FAX : +886-2-8911-2324
SPECIMEN : SCH300
DATE OF RECEIVED : 2020/10/21
DATE OF TESTED : 2020/10/21

TEST / INSPECTION ITEMS : Vibration & Shock Test

REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 9 pages, and no part of it may be abstracted or reproduced.

金頓科技

Test Engineer : 	
Approval Signatory :  2020.10.27	Laboratory Head : 

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TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
Controller : VCS-913+, S/N : 1312416
Control Accelerometer : Wilcoxon Research WR-777, S/N : 4208

TEST ENVIRONMENT :

Temperature : 24°C (25±10°C)
Relative Humidity : 66%RH (50±25% RH)

SPECIMEN :

Model : SCH300
Quantity : 1 unit

TESTING / INSPECTION REPORT

TEST SPECIFICATION :

(1)Random vibration test (Operating)

Frequency : 10 Hz to 500 Hz
 Acceleration : 3 g rms
 Test Axis : X, Y, Z axis
 Test Time : 30 mins (Each axis)
 Total Test Time : 1.5 hrs

(2)Shock Test (Operating)

Wave Form : Half Sine Wave
 Acceleration : 25 g
 Duration : 11 mS
 Shock Direction : ±Z axis
 No. of Shock : Each axis 1 time

TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---
(1) --After completely testing, visual inspection showed no physical defect on packaging or unit. (2) -- This function judgment: Power and interface operation was normal.			

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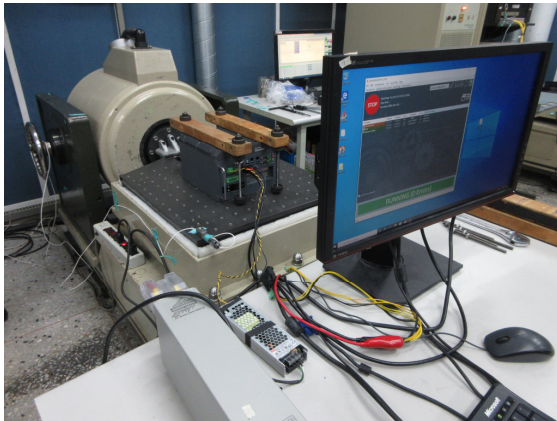
<http://www.kdi.tw>

<http://www.vibration.com.tw>

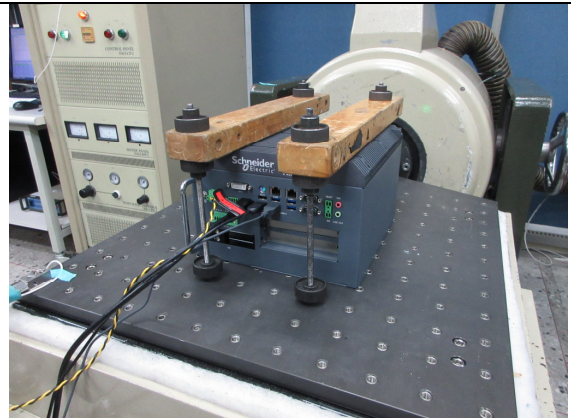
E-mail:service@kdi.tw

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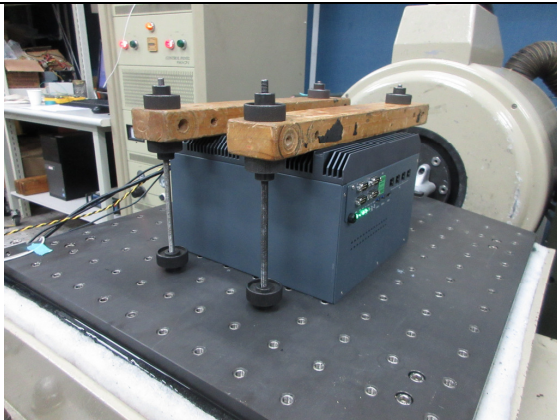
Testing photos Vibration & Shock Test (Operating)



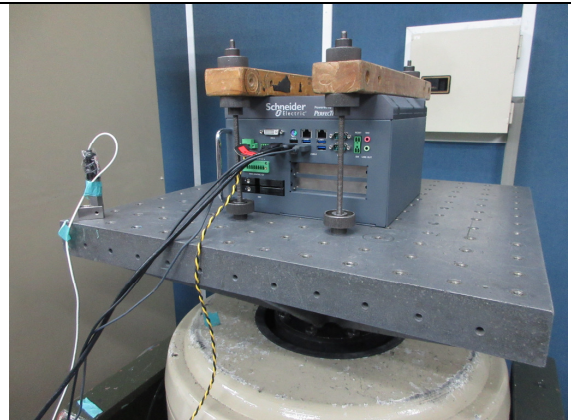
X axis



Y axis

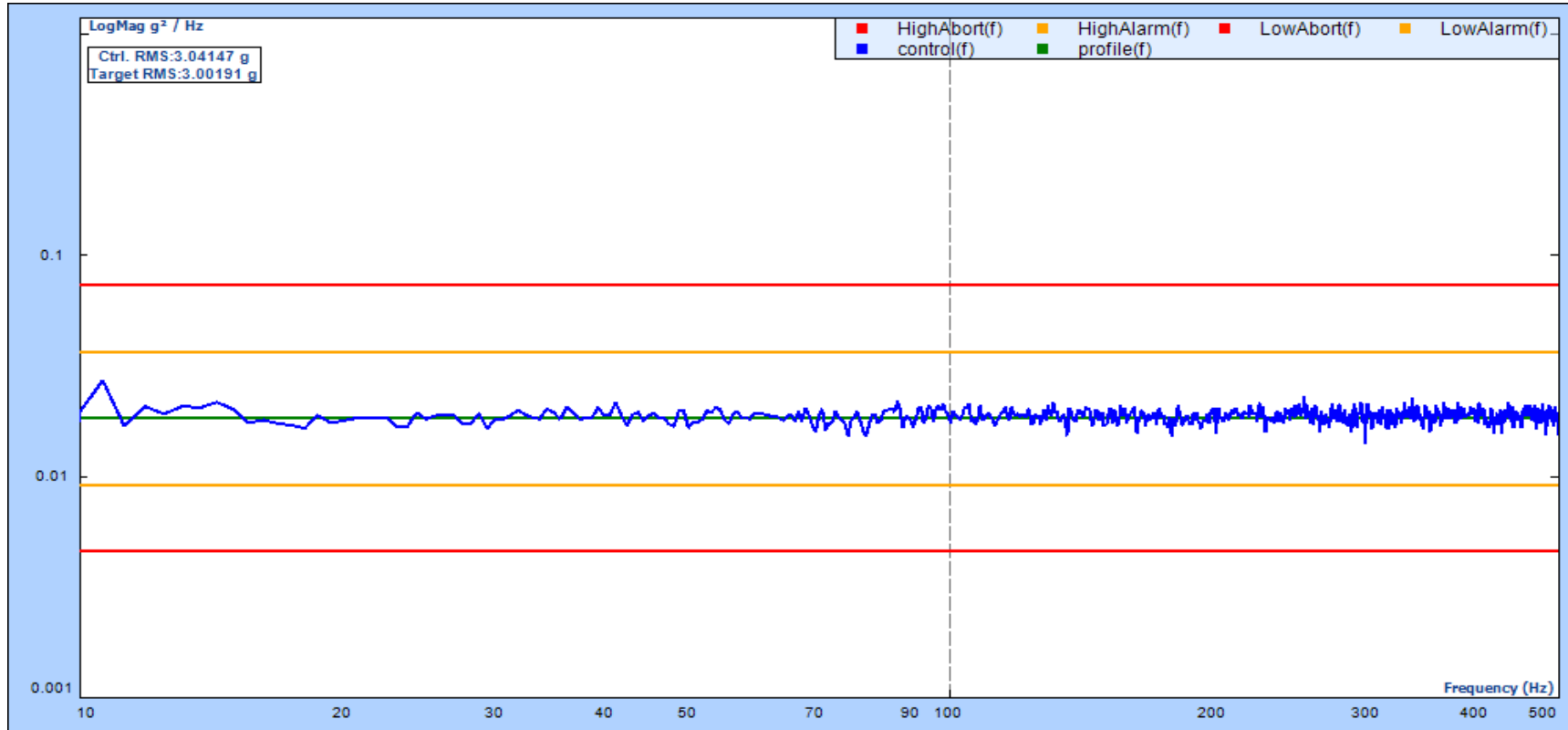


Z axis



Vibration Test

X axis



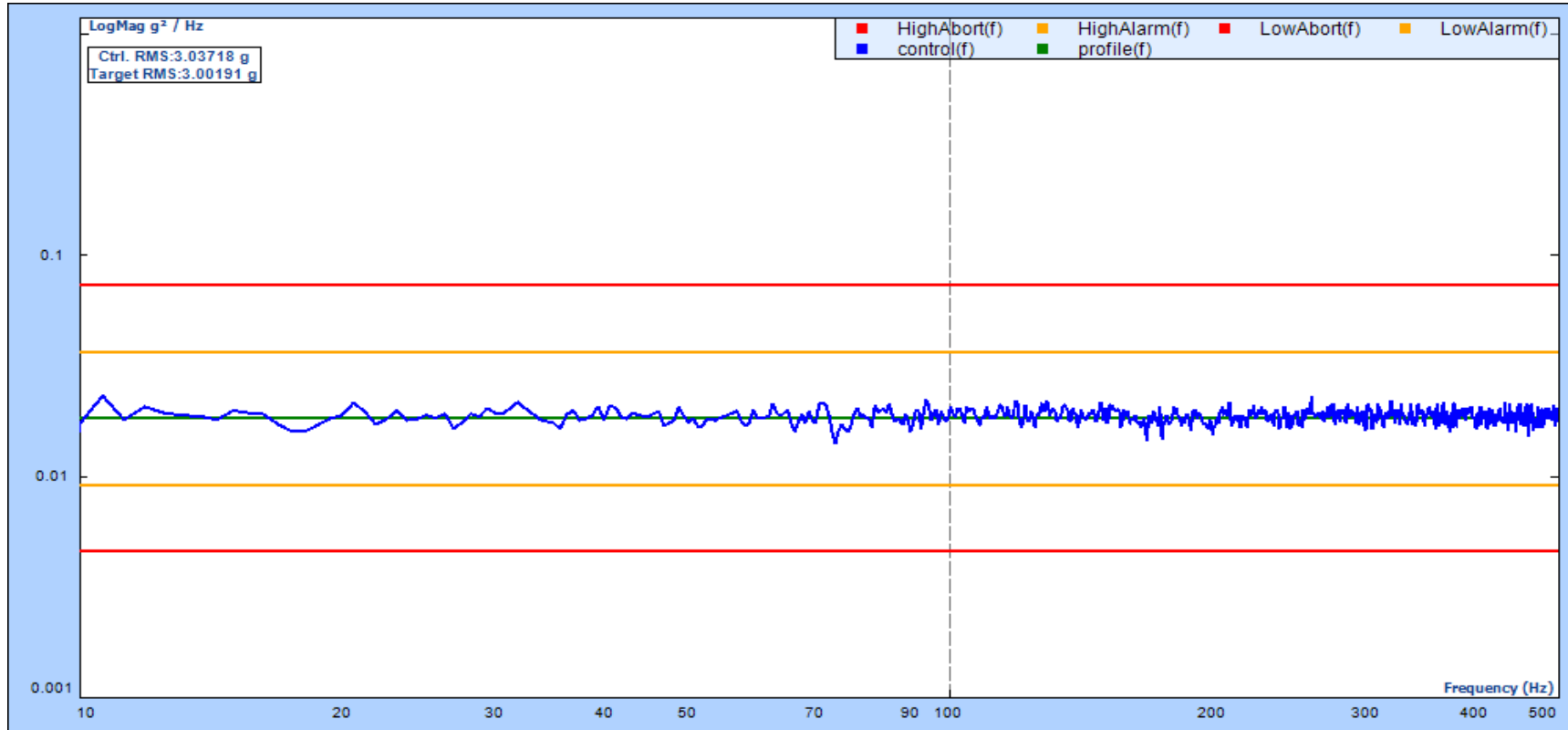
Level: 100.00 %
 Velocity Pk: 207.2 mm/s
 Remaining: 00:00:00
 Block Size/Lines: 2048/800
 Delta Frequency: 0.625000

Drive Pk: 1.802V
 Control RMS: 3.041 g
 Total Elapsed: 00:32:04
 Frame Time: 1.6 Seconds

Est. Disp. : 4.059 mm Pk-Pk
 Target RMS: 3.000 g
 Full Level Elapsed: 00:30:00
 DOF: 64

Vibration Test

Y axis



Level: 100.00 %

Velocity Pk: 205.1 mm/s

Remaining: 00:00:00

Block Size/Lines: 2048/800

Delta Frequency: 0.625000

Drive Pk: 1.637V

Control RMS: 3.037 g

Total Elapsed: 00:32:04

Frame Time: 1.6 Seconds

Est. Disp. : 3.954 mm Pk-Pk

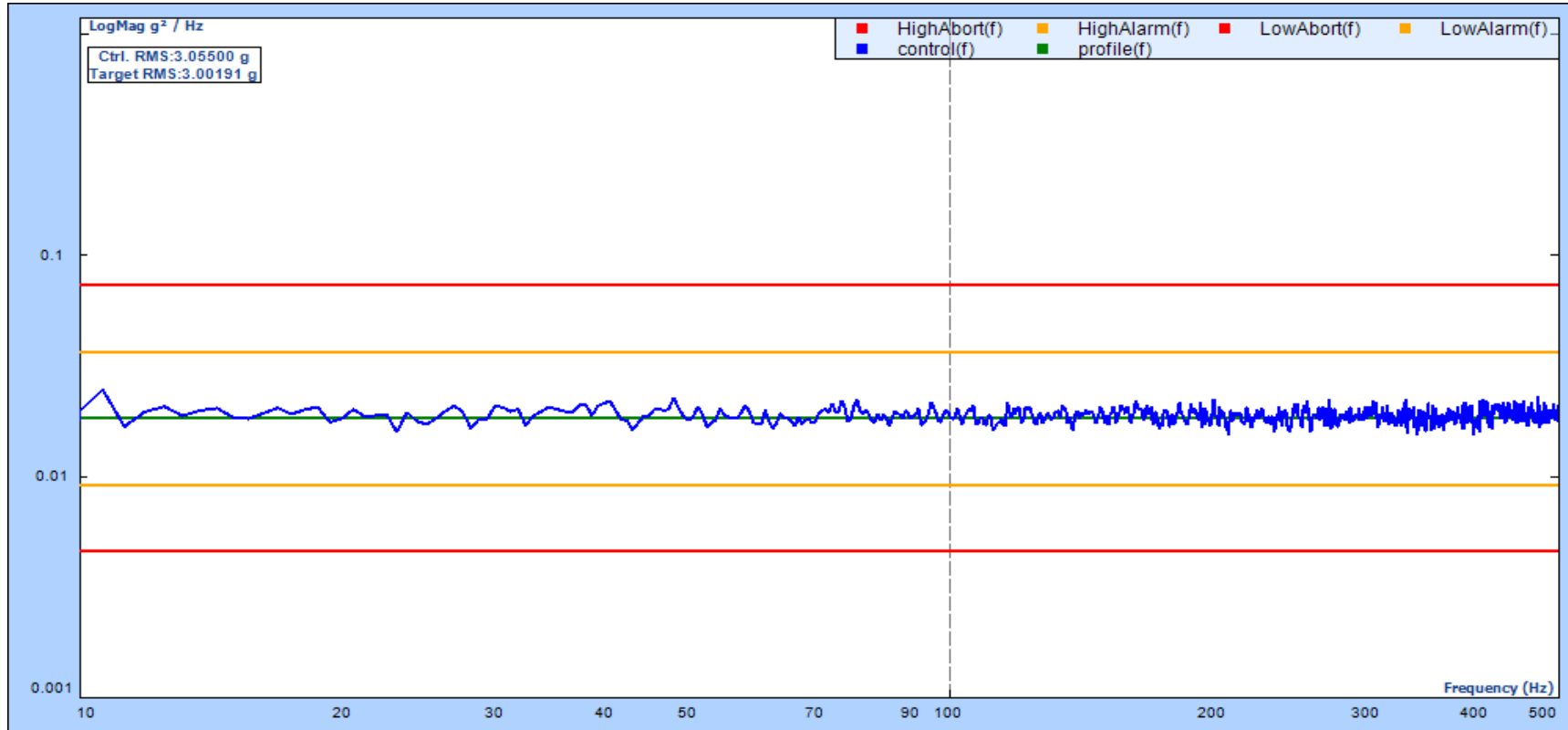
Target RMS: 3.000 g

Full Level Elapsed: 00:30:00

DOF: 64

Vibration Test

Z axis



Level: 100.00 %

Velocity Pk: 208.1 mm/s

Remaining: 00:00:00

Block Size/Lines: 2048/800

Delta Frequency: 0.625000

Drive Pk: 2.749V

Control RMS: 3.055 g

Total Elapsed: 00:32:06

Frame Time: 1.6 Seconds

Est. Disp. : 4.036 mm Pk-Pk

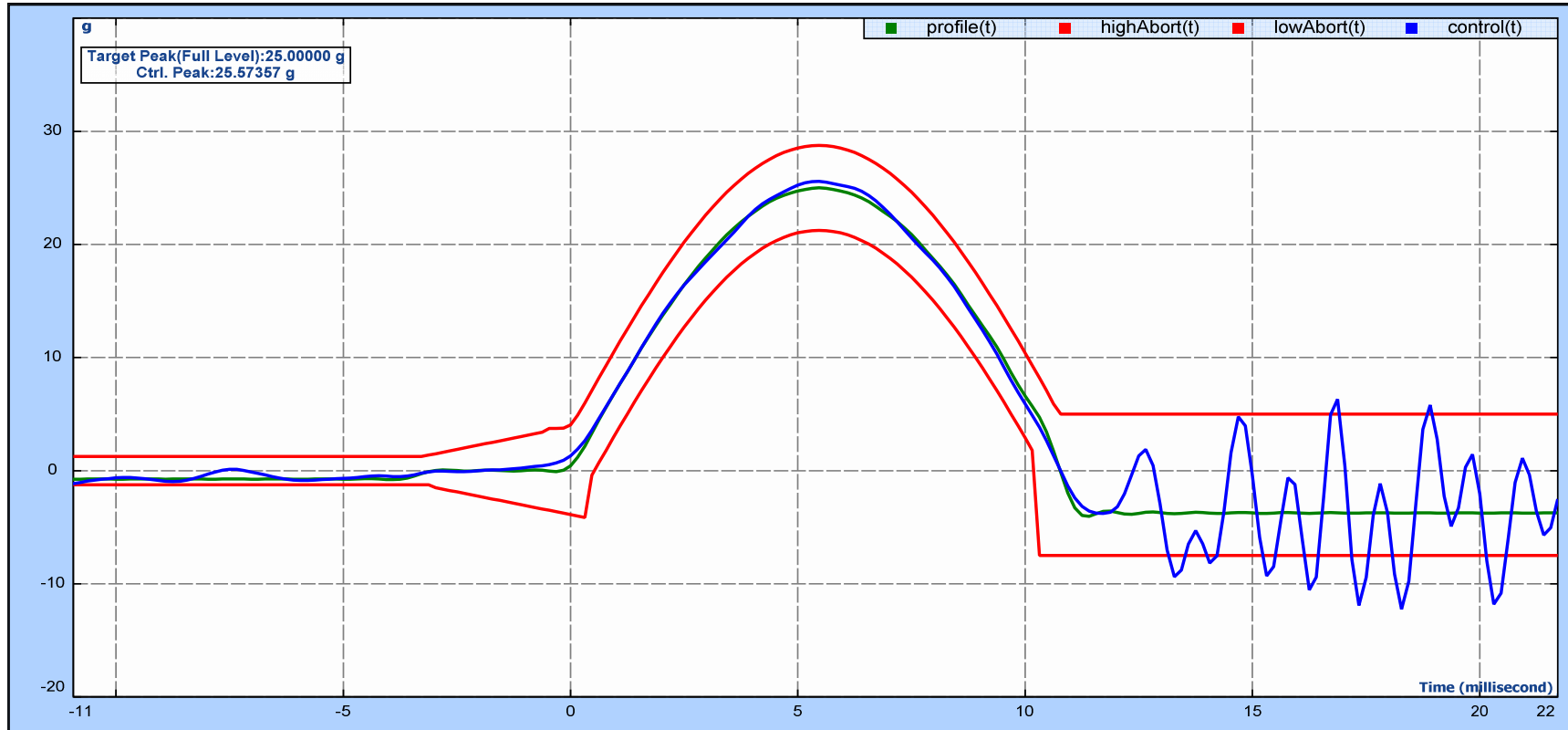
Target RMS: 3.000 g

Full Level Elapsed: 00:30:00

DOF: 64

Shock Test

+Z axis



Level: 100.00 %

Velocity Pk: 915.0 mm/s

Control RMS: 2.793 g

Full Level Elapsed: 1.0

Control Displacement: 24.05350 PkPk mm

dT: 0.00015625 Seconds

Drive Pk: 3.772V

Control Pk: 25.57 g

Remaining: 1.0

Pulse width: 11.00 ms

Control Velocity: 914.98774 Pk mm/s

Sampling Rate : 6400.00 Hz fs

Est. Disp. : 24.05 mm Pk-Pk

Target Pk: 25.00 g

Total Elapsed: 18.0

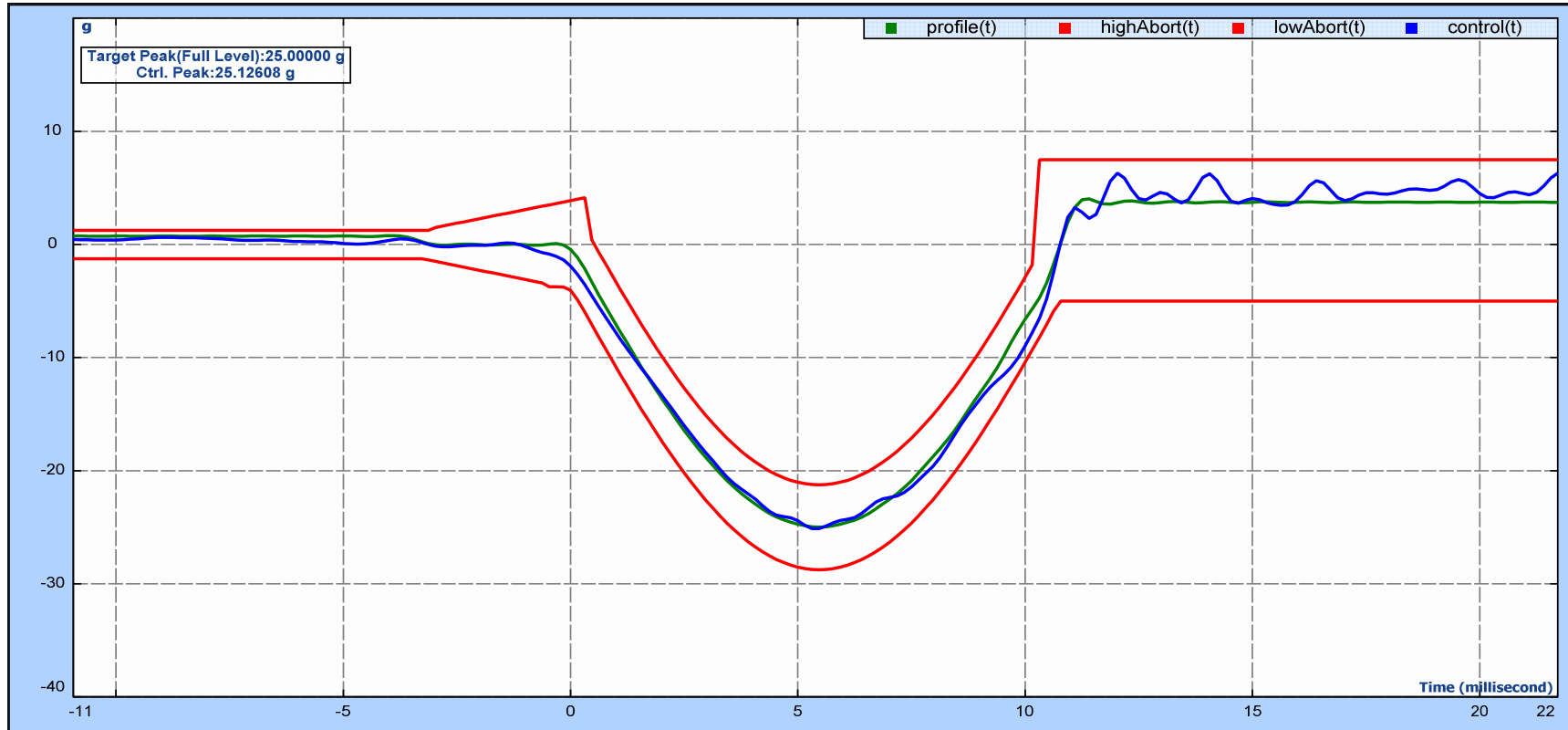
Measured Pulse width: 12.80937(ms)

Block T / Size: 0.64 Seconds / 4096

Frequency Range (fa): 2500.00 Hz

Shock Test

-Z axis



Level: 100.00 %

Velocity Pk: 951.9 mm/s

Control RMS: 2.650 g

Full Level Elapsed: 1.0

Control Displacement: 23.77598 PkPk mm

dT: 0.00015625 Seconds

Drive Pk: 3.742V

Control Pk: 25.13 g

Remaining: 1.0

Pulse width: 11.00 ms

Control Velocity: 951.85554 Pk mm/s

Sampling Rate : 6400.00 Hz fs

Est. Disp. : 23.78 mm Pk-Pk

Target Pk: 25.00 g

Total Elapsed: 18.0

Measured Pulse width: 11.90942(ms)

Block T / Size: 0.64 Seconds / 4096

Frequency Range (fa): 2500.00 Hz

-END-