

KING DESIGN INDUSTRIAL CO., LTD.

VIBRATION TEST LABORATORY

4F, 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

http://www.kdi.tw
http://www.vibration.com.tw
E-mail:service@kdi.tw

TESTING / INSPECTION REPORT

REPORT NO : VT-160108-1

COMPANY : AAEON Technology Inc.
ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.
Hsin-Tien City, Taipei, Taiwan, R. O. C.
TEL : 886-2-8919-1234
FAX : 886-2-8919-1049
SPECIMEN : VPC-3300S (With SSD)
DATE OF RECEIVED : 2016/01/07
DATE OF TESTED : 2016/01/08

TEST / INSPECTION ITEMS : Vibration 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 13 pages, and no part of it may be abstracted or reproduced.

Test Engineer : <i>7c kj</i>	
Approval Signatory : <i>2016.1.13 David Lee</i>	Laboratory Head : <i>Hsin Tai Chang</i>

金頓科技

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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
Calibration Date : 2015/11/25

TEST ENVIRONMENT :

Temperature : 25°C (25±10°C)
Relative Humidity : 65% RH (50±25% RH)

SPECIMEN :

Model : VPC-3300S (With SSD)
Quantity : 1 unit

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TEST SPECIFICATION (1) :

Reference to MIL-STD 810G 514.6 Figure 514.6C-1

Random vibration test (Operating)

Frequency : 10 Hz to 500 Hz

P.S.D. :

Vertical		Transverse		Longitudinal	
Frequency Hz	P.S.D. g ² /Hz	Frequency Hz	P.S.D. g ² /Hz	Frequency Hz	P.S.D. g ² /Hz
10	0.01500	10	0.00013	10	0.00650
40	0.01500	20	0.00065	20	0.00650
500	0.00015	30	0.00065	120	0.00020
rms = 1.04 g		78	0.00002	121	0.00300
		79	0.00019	200	0.00300
		120	0.00019	240	0.00150
		500	0.00001	340	0.00003
		rms = 0.20 g		rms = 0.74 g	

Test Direction : Vertical, Transverse, Longitudinal axis

Test Times : 1 hr (each axis)

Total Test Time : 3 hrs

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TEST SPECIFICATION (2) :

Reference to MIL-STD 810G 514.6 Figure 514.6E-1

Random vibration test (Non-Operating)

Frequency : 20 Hz to 2,000 Hz

Acceleration : 7.7 g rms

P.S.D. : 0.04 g²/Hz (20 Hz)

: 0.04 g²/Hz (1,000 Hz)

: -6 dB/Oct (2,000 Hz)

Test Axis : X, Y, Z axis

Test Time : 1 hr (Each axis)

Total Test Time : 3 hrs

TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment ⁽¹⁾	√	---	---
Appearance check ⁽²⁾	√	---	---
(1)—Booting function was normal after the test.			
(2)—No visible damages were found.			

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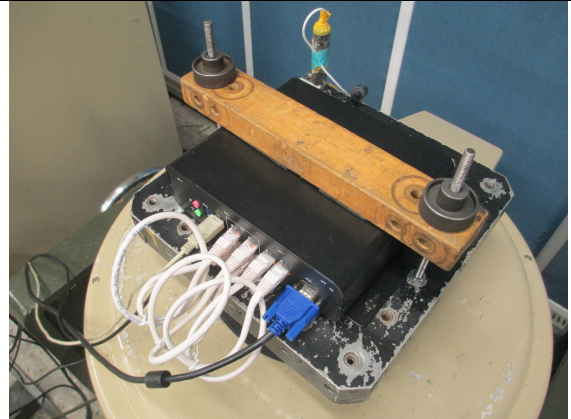
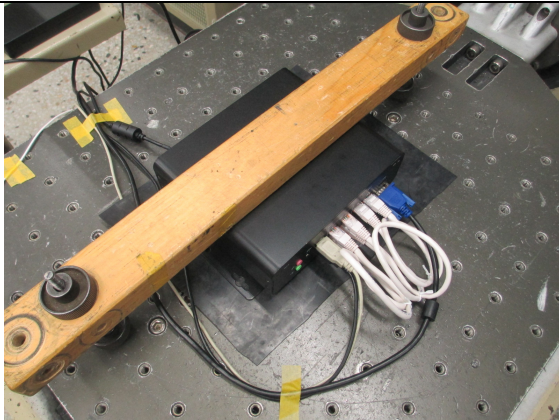
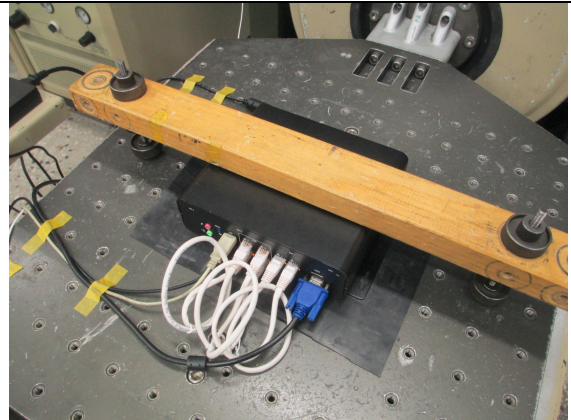
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TESTING / INSPECTION REPORT

Testing photos (Operating)

Tester

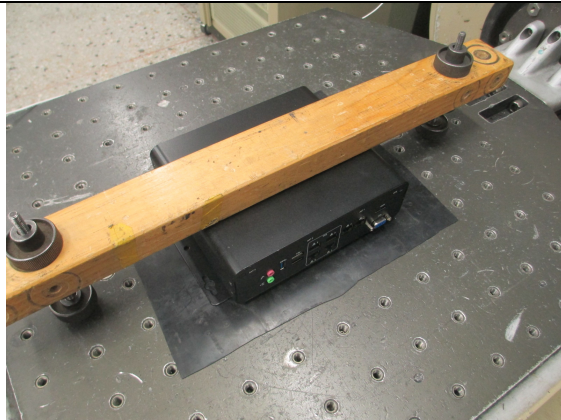
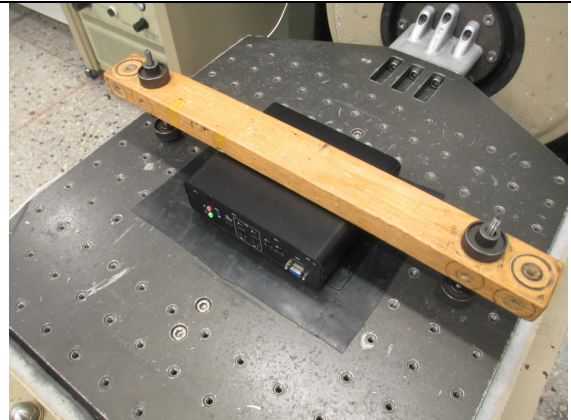
Z

X

Y


TESTING / INSPECTION REPORT

Testing photos (Non-Operating)

Tester

Z

X

Y


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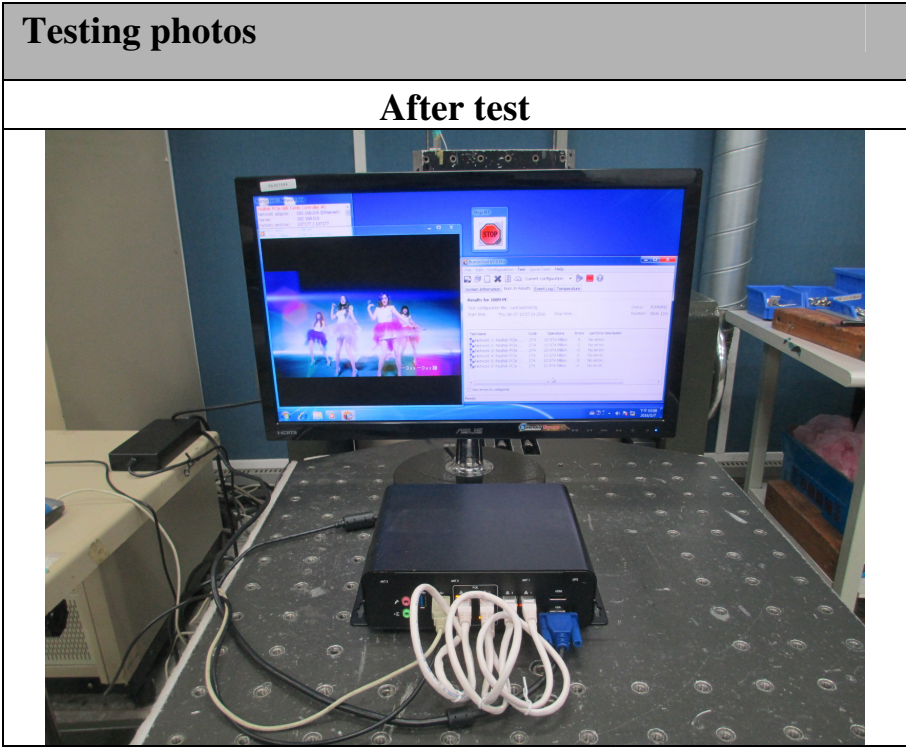
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TESTING / INSPECTION REPORT



Vertical



Level: 100.00 %

Velocity Pk: 174.9 mm/s

Remaining: 00:00:00

Drive Pk: 0.538V

Control RMS: 1.060 g

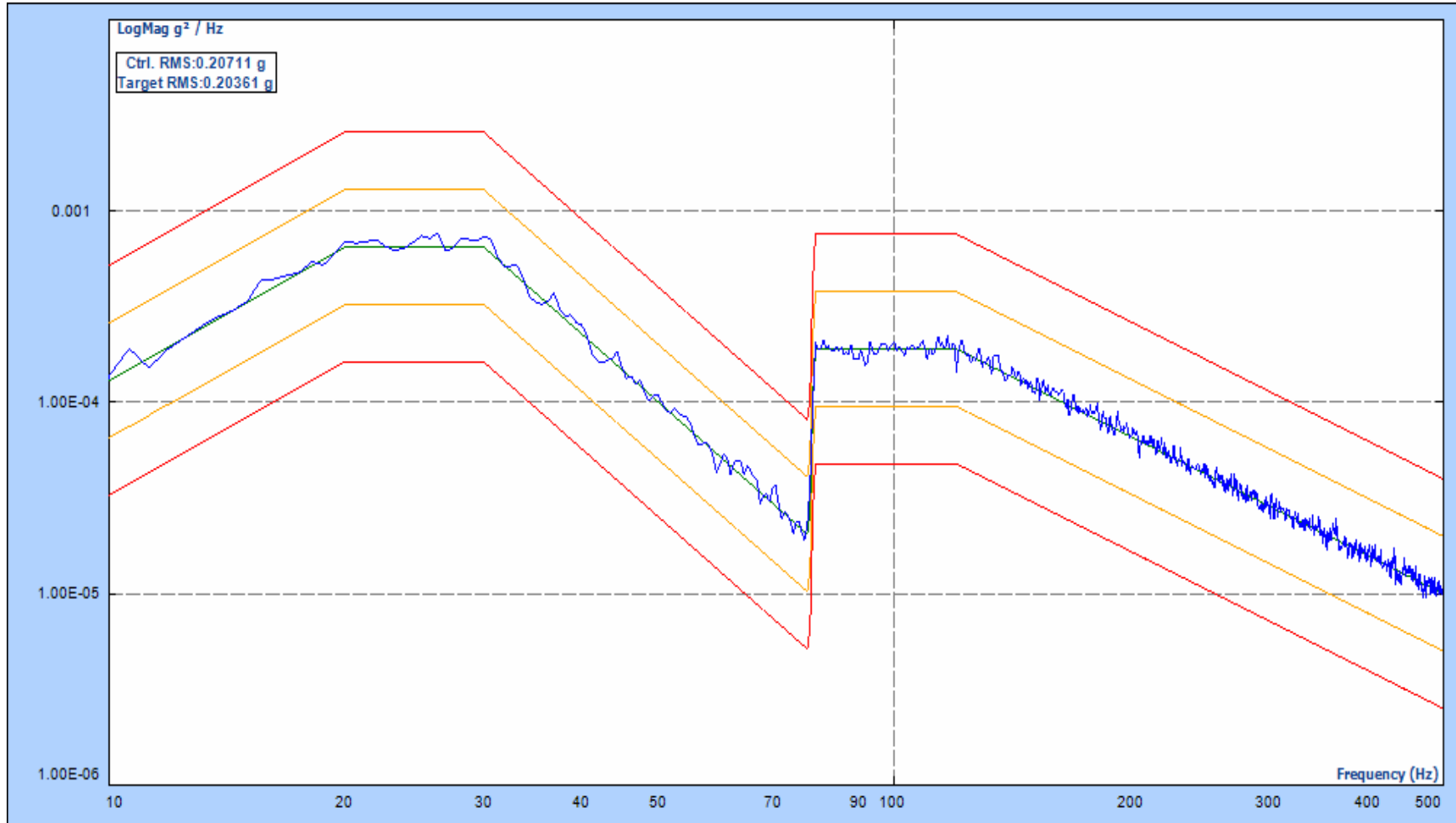
Total Elapsed: 01:01:58

Est. Disp. : 3.666 mm Pk-Pk

Target RMS: 1.045 g

Full Level Elapsed: 01:00:00

Transverse



Level: 100.00 %

Velocity Pk: 27.07 mm/s

Remaining: 00:00:00

Drive Pk: 0.142V

Control RMS: 0.207 g

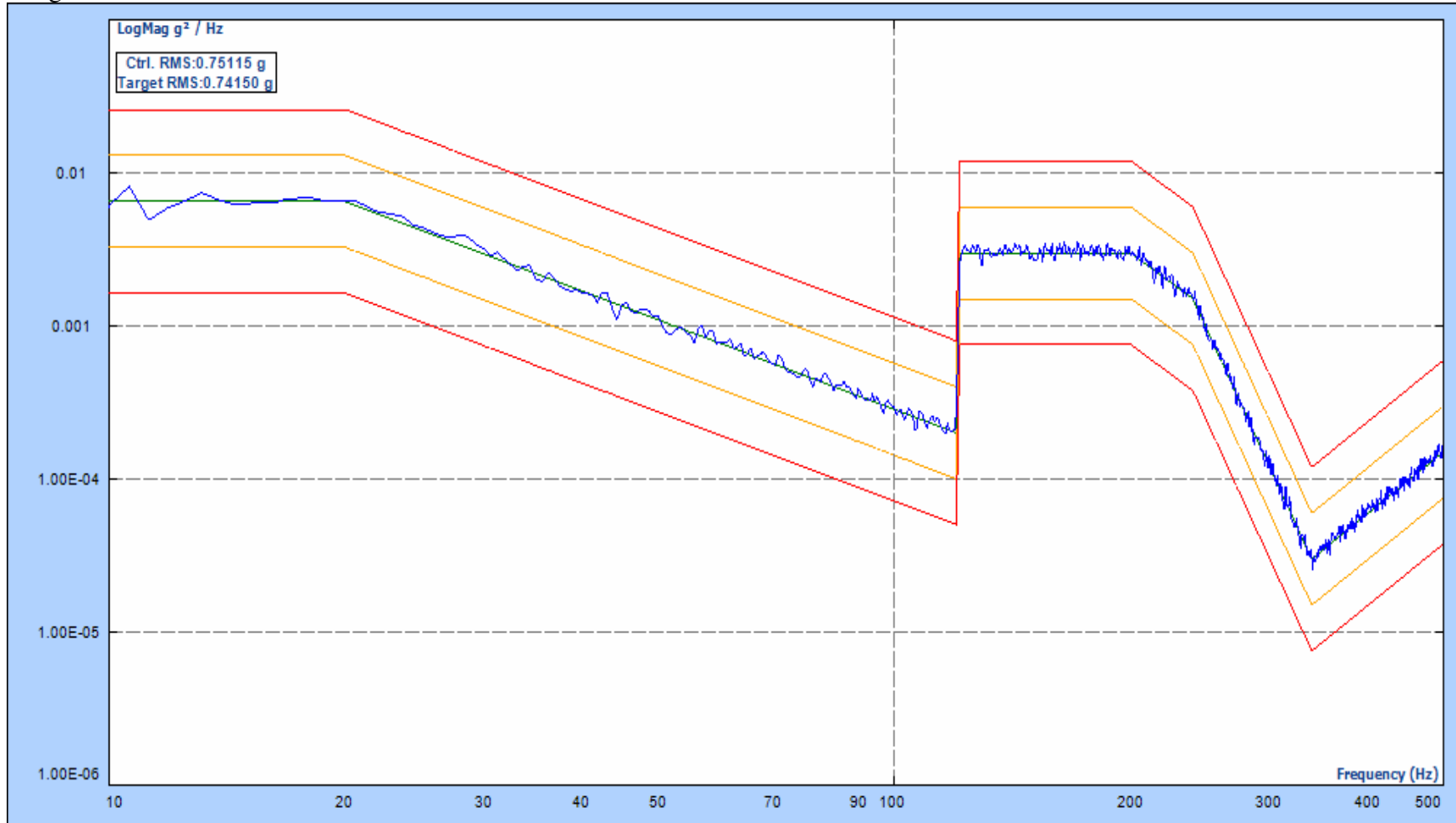
Total Elapsed: 01:02:01

Est. Disp. : 0.480 mm Pk-Pk

Target RMS: 0.203 g

Full Level Elapsed: 01:00:00

Longitudinal



Level: 100.00 %

Velocity Pk: 102.2 mm/s

Remaining: 00:00:00

Drive Pk: 0.513V

Control RMS: 0.751 g

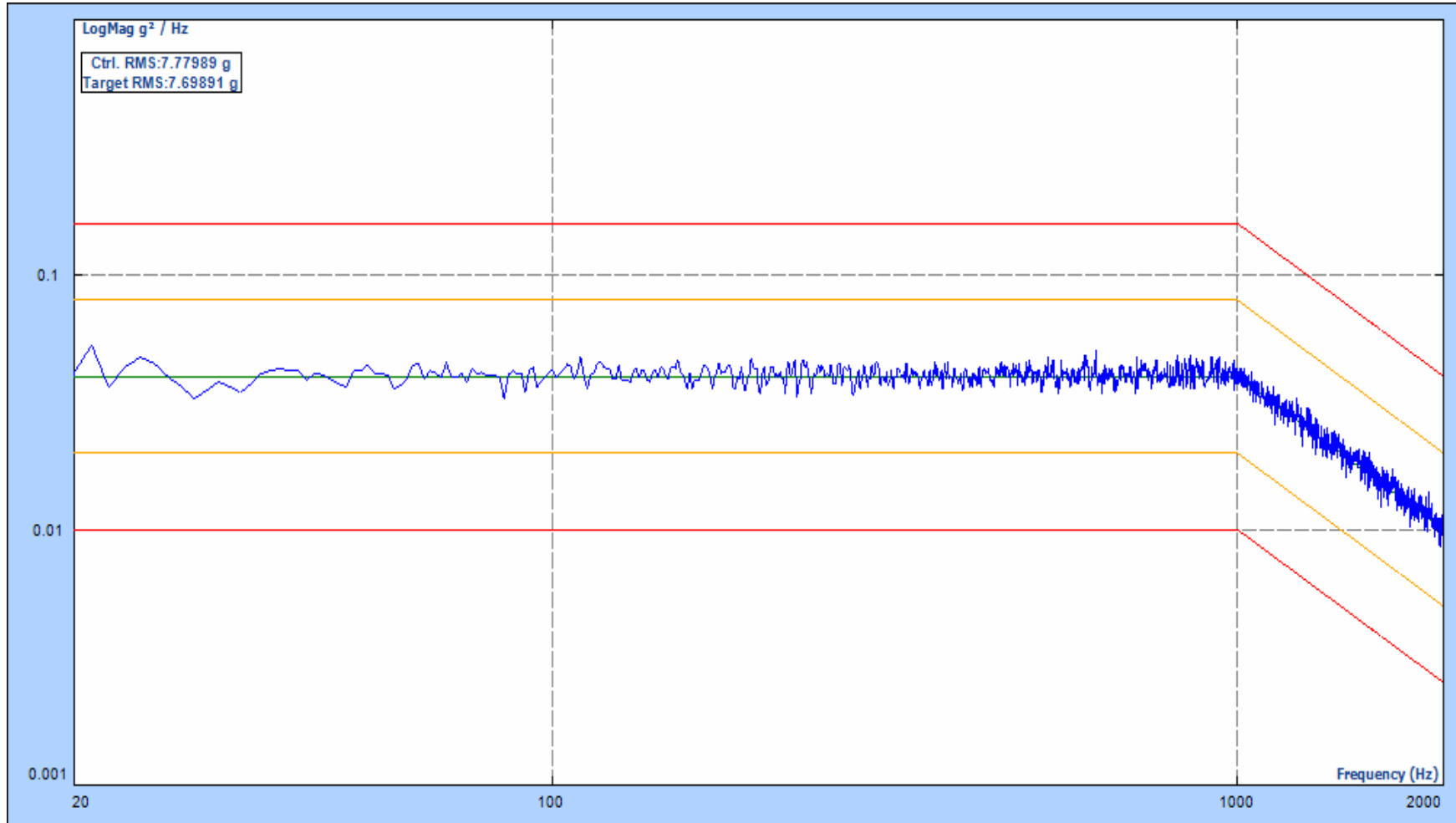
Total Elapsed: 01:02:09

Est. Disp. : 2.255 mm Pk-Pk

Target RMS: 0.741 g

Full Level Elapsed: 01:00:00

X axis



Level: 100.00 %

Velocity Pk: 214.0 mm/s

Remaining: 00:00:00

Drive Pk: 3.818V

Control RMS: 7.780 g

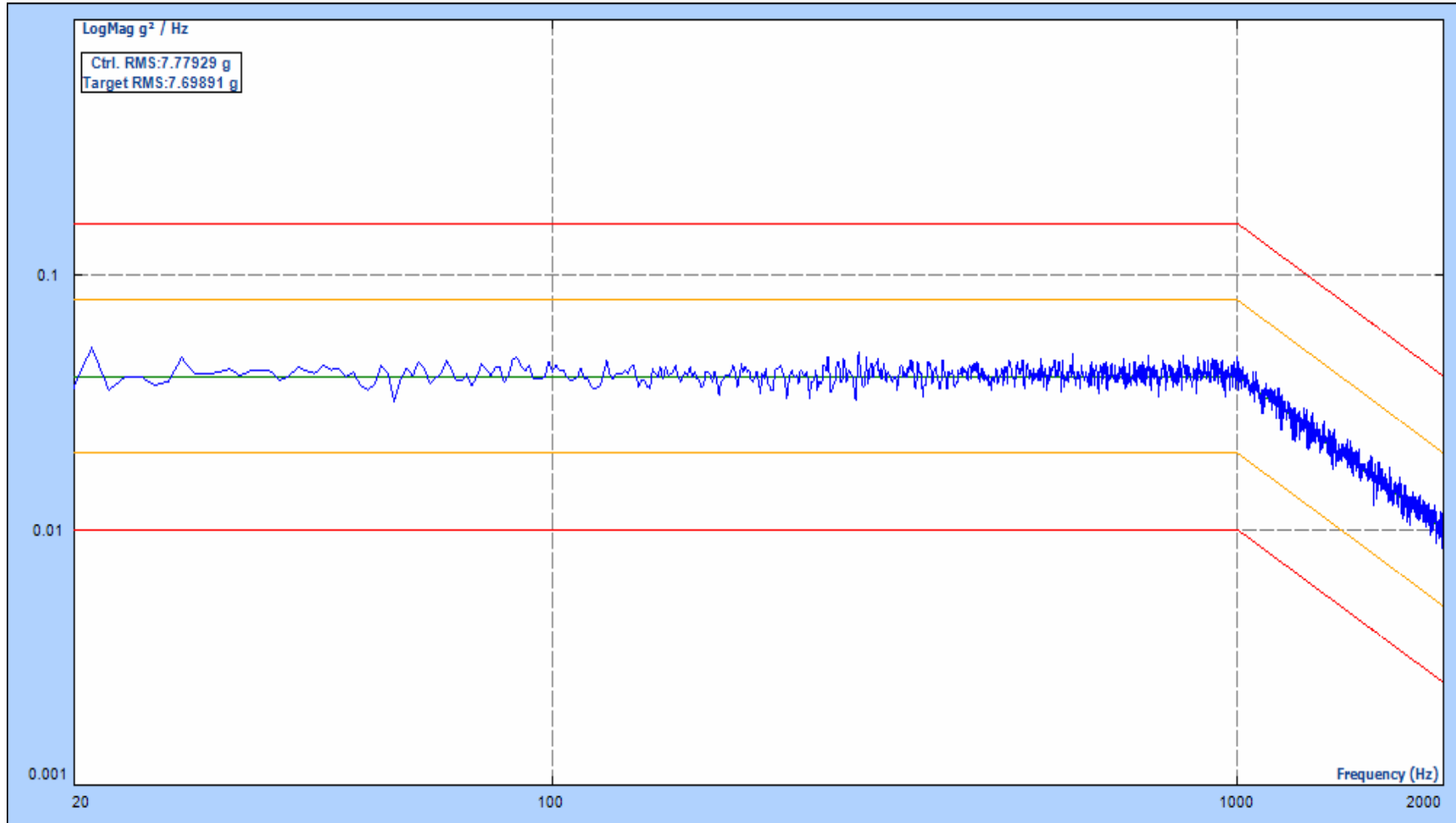
Total Elapsed: 01:01:34

Est. Disp. : 2.070 mm Pk-Pk

Target RMS: 7.698 g

Full Level Elapsed: 01:00:00

Y axis



Level: 100.00 %

Velocity Pk: 214.0 mm/s

Remaining: 00:00:00

Drive Pk: 4.392V

Control RMS: 7.779 g

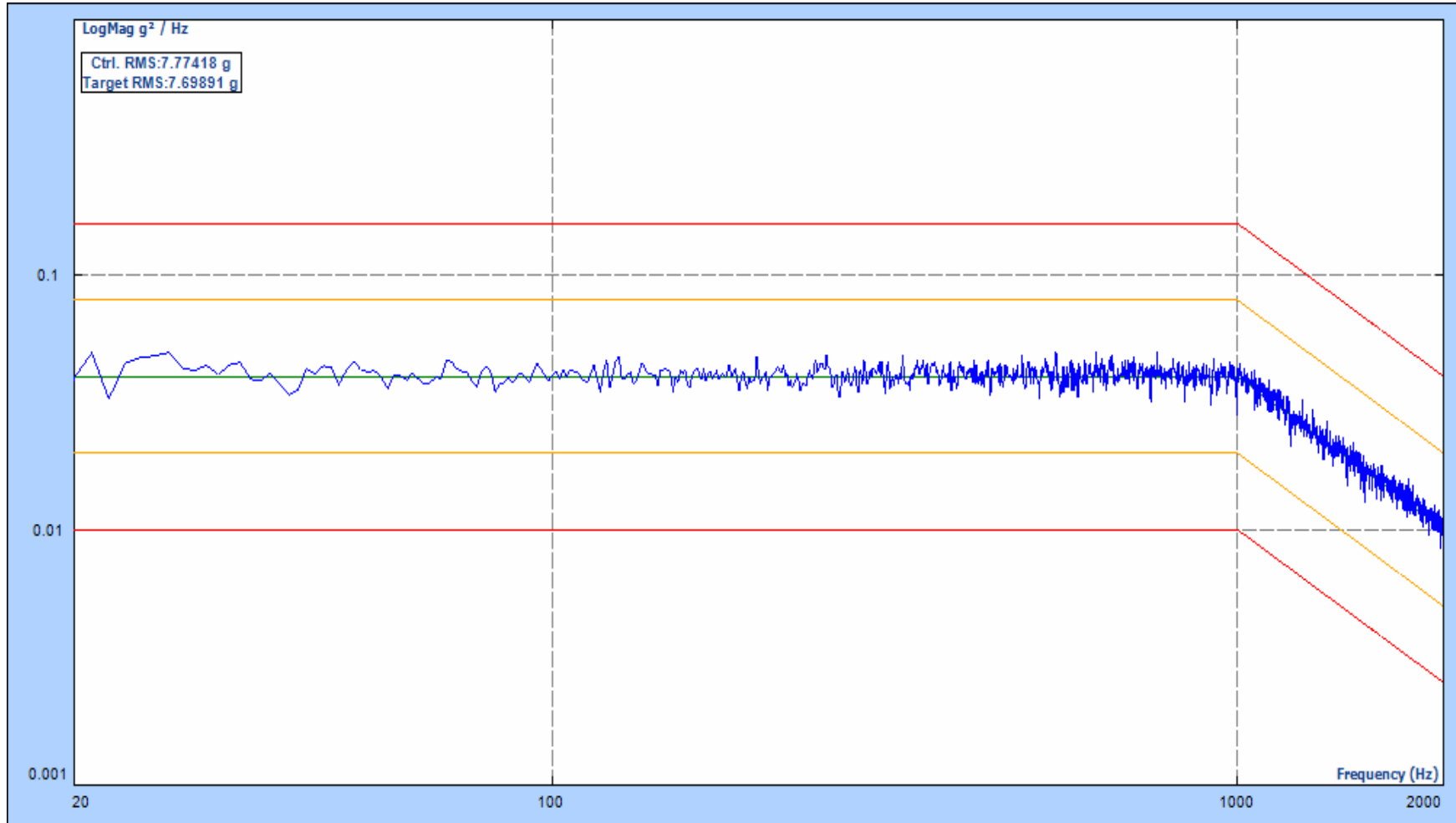
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Est. Disp. : 2.042 mm Pk-Pk

Target RMS: 7.698 g

Full Level Elapsed: 01:00:00

Z axis



Level: 100.00 %

Velocity Pk: 216.4 mm/s

Remaining: 00:00:00

-END-

Drive Pk: 2.594V

Control RMS: 7.774 g

Total Elapsed: 01:01:26

Est. Disp. : 2.088 mm Pk-Pk

Target RMS: 7.698 g

Full Level Elapsed: 01:00:00