

KING DESIGN INDUSTRIAL CO., LTD.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**VIBRATION TEST LABORATORY**<http://www.kdi.tw>
<http://www.vibration.com.tw>
E-mail:service@kdi.tw**TESTING / INSPECTION REPORT**



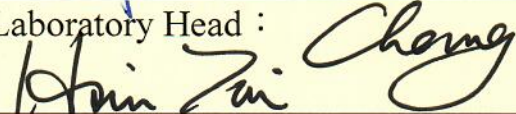
REPORT NO : VT-161202-2

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 : RTC-1200SK
DATE OF RECEIVED : 2016/12/01
DATE OF TESTED : 2016/12/02

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 16 pages, and no part of it may be abstracted or reproduced.

Test Engineer : 	
Approval Signatory : 	Laboratory Head : 

金頓科技實驗室騎

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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
Calibration Date : 2016/11/25

TEST ENVIRONMENT :

Temperature : 27°C (25±10°C)
Relative Humidity : 68 %RH (50±25% RH)

SPECIMEN :

Model : RTC-1200SK
Quantity : 1 unit

TESTING / INSPECTION REPORT

TEST SPECIFICATION (1) :

Reference to MIL-STD 810G 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		500	0.00015

Test Direction : Vertical, Transverse, Longitudinal axis

Test Times : 1 hr (each axis)

Total Test Time : 3 hrs

TEST SPECIFICATION (2) :

Reference to MIL-STD 810G 514.6E-1 Category 24

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

TESTING / INSPECTION REPORT

TEST SPECIFICATION (3) :

Reference to MIL-STD 810G 514.6E-2 Category 24

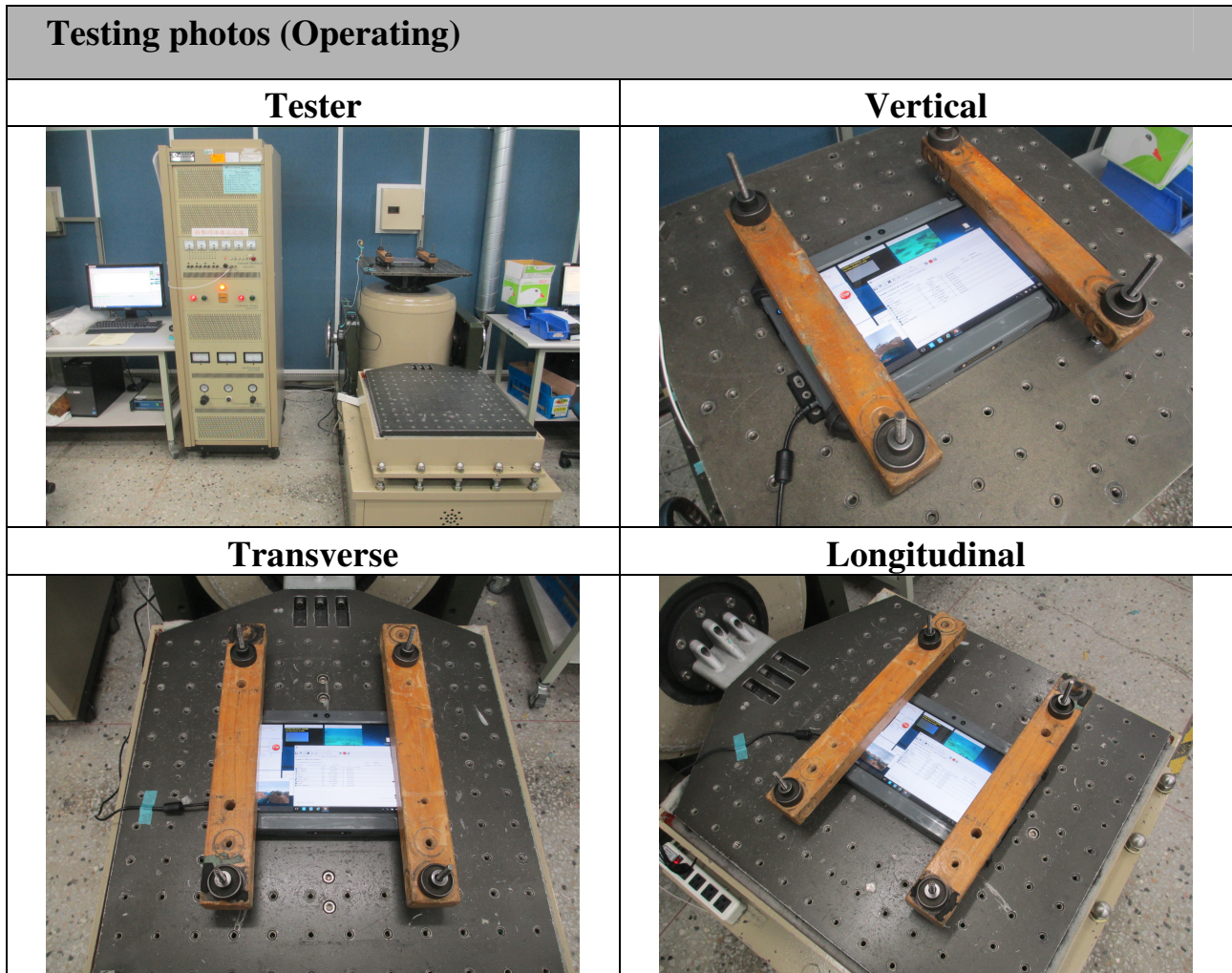
Sine vibration test (Non-Operating)

Frequency	: 5 Hz to 500 Hz
Displacement	: 5.1 mm (5 Hz to 14 Hz)
	: 0.91 mm (33 Hz to 51.2 Hz)
Acceleration	: 2 g (14 Hz to 33 Hz)
	: 5 g (51.2 Hz to 500 Hz)
Test Axis	: X, Y, Z axis
Test Time	: 30 mins (Each axis)
Total Test Time	: 1 hr 30 mins


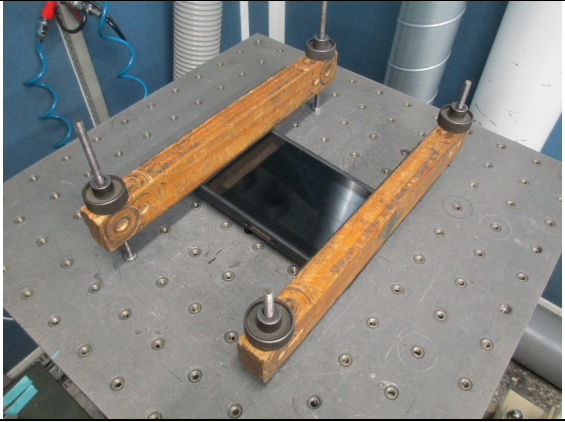
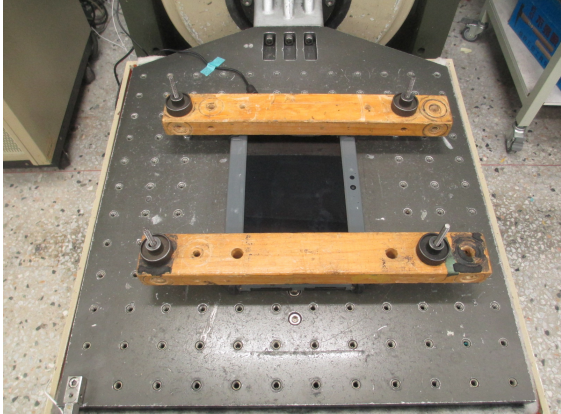
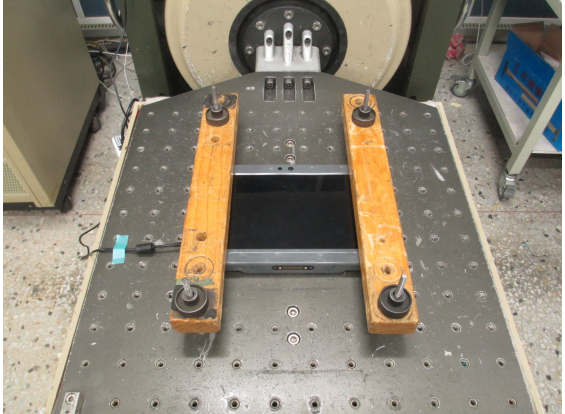
TEST RESULT :

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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Testing photos (Non-Operating)	
Tester	Z axis
	
X axis	Y axis
	

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Vertical 810G 514.6C-1

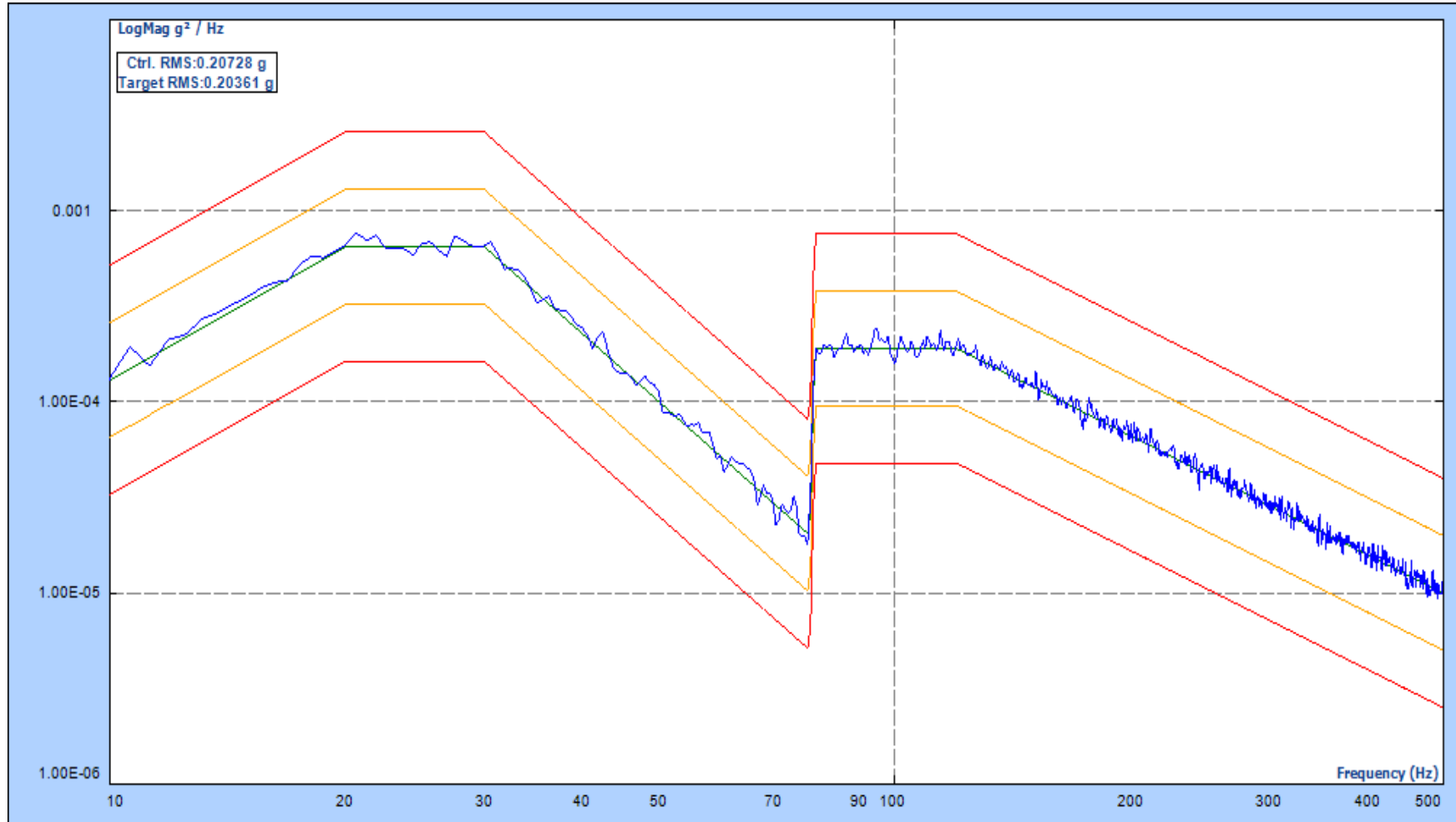


Level: 100.00 %
Velocity Pk: 179.9 mm/s
Remaining: 00:00:00

Drive Pk: 0.519V
Control RMS: 1.072 g
Total Elapsed: 01:01:17

Est. Disp. : 3.859 mm Pk-Pk
Target RMS: 1.047 g
Full Level Elapsed: 01:00:00

Transverse MIL-STD 810G 514.6C-1

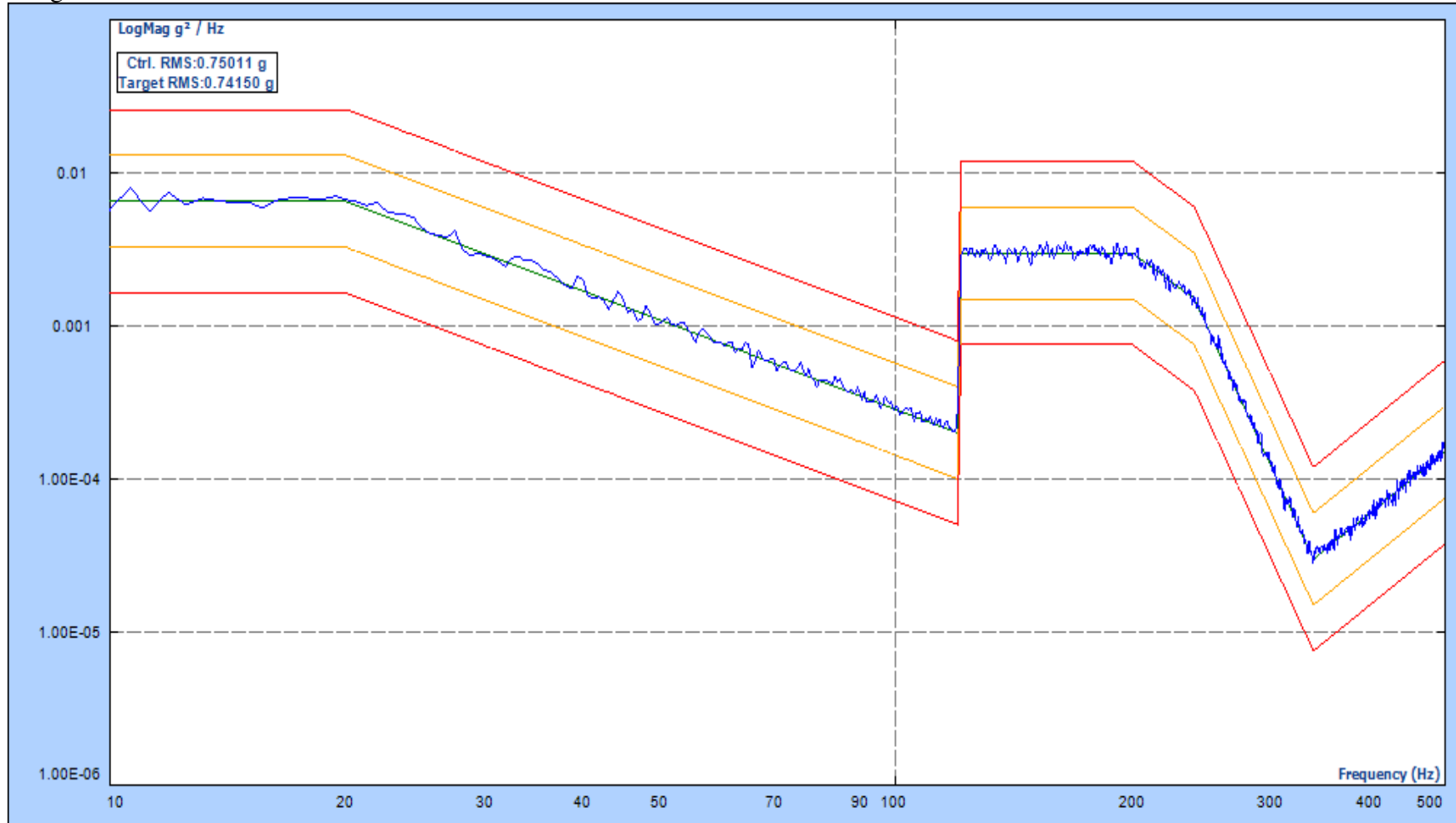


Level: 100.00 %
 Velocity Pk: 27.14 mm/s
 Remaining: 00:00:00

Drive Pk: 0.149V
 Control RMS: 0.207 g
 Total Elapsed: 01:02:01

Est. Disp. : 0.484 mm Pk-Pk
 Target RMS: 0.203 g
 Full Level Elapsed: 01:00:00

Longitudinal MIL-STD 810G 514.6C-1

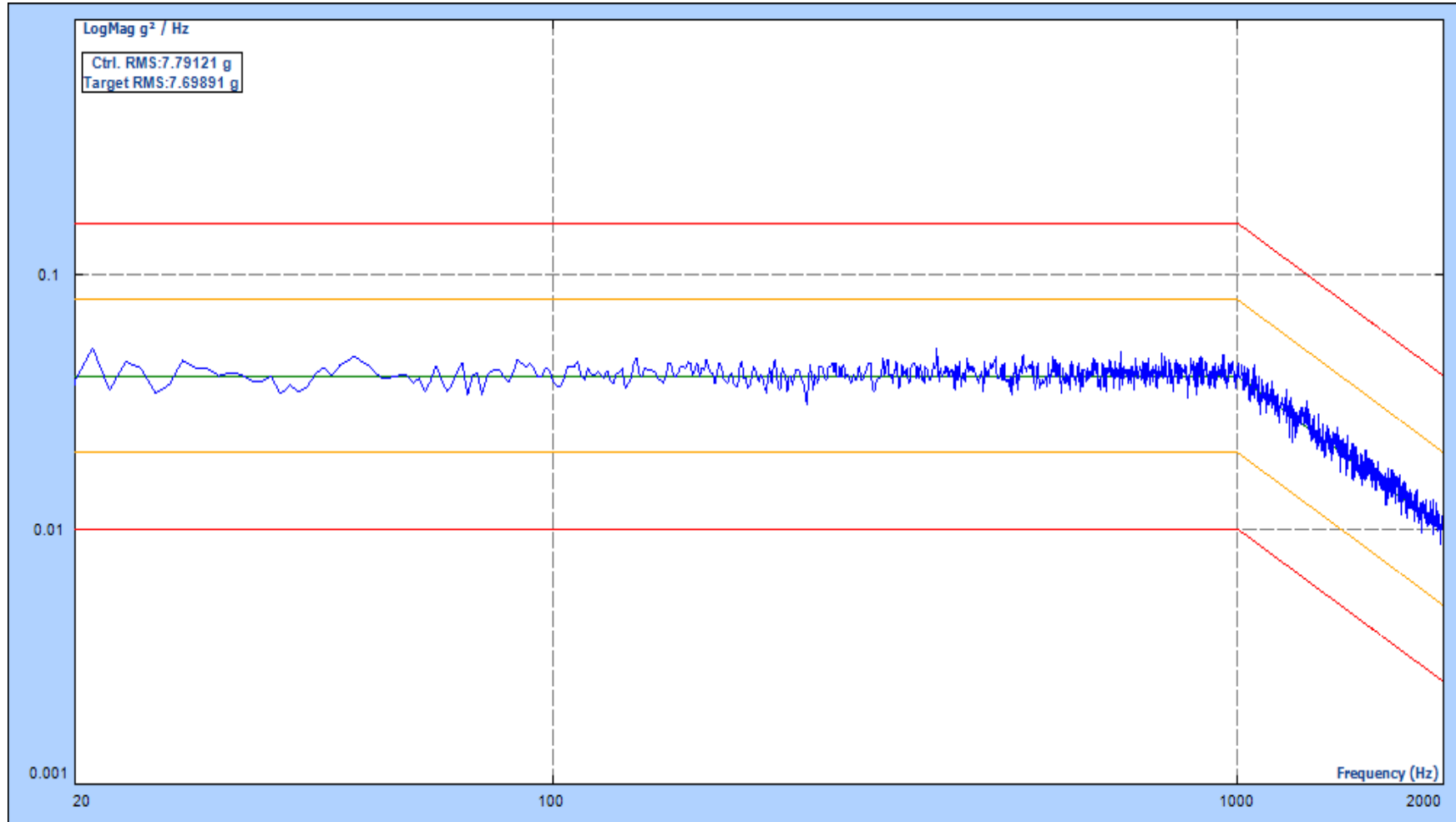


Level: 100.00 %
Velocity Pk: 102.8 mm/s
Remaining: 00:00:00

Drive Pk: 0.574V
Control RMS: 0.750 g
Total Elapsed: 01:02:14

Est. Disp. : 2.270 mm Pk-Pk
Target RMS: 0.741 g
Full Level Elapsed: 01:00:00

X axis MIL-STD 810G 514.6E-1

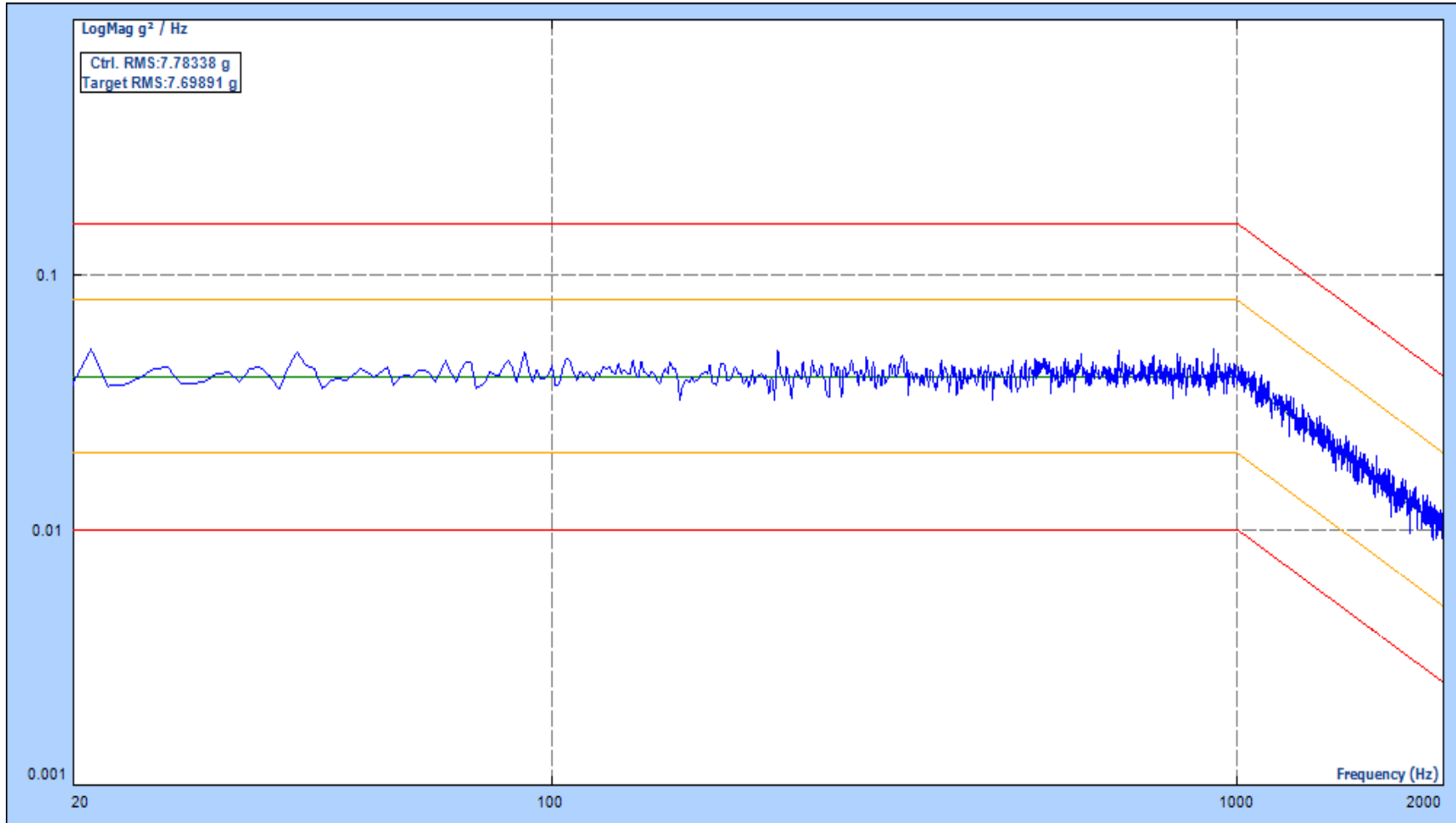


Level: 100.00 %
Velocity Pk: 213.7 mm/s
Remaining: 00:00:00

Drive Pk: 4.206V
Control RMS: 7.791 g
Total Elapsed: 01:01:49

Est. Disp. : 2.052 mm Pk-Pk
Target RMS: 7.698 g
Full Level Elapsed: 01:00:00

Y axis MIL-STD 810G 514.6E-1

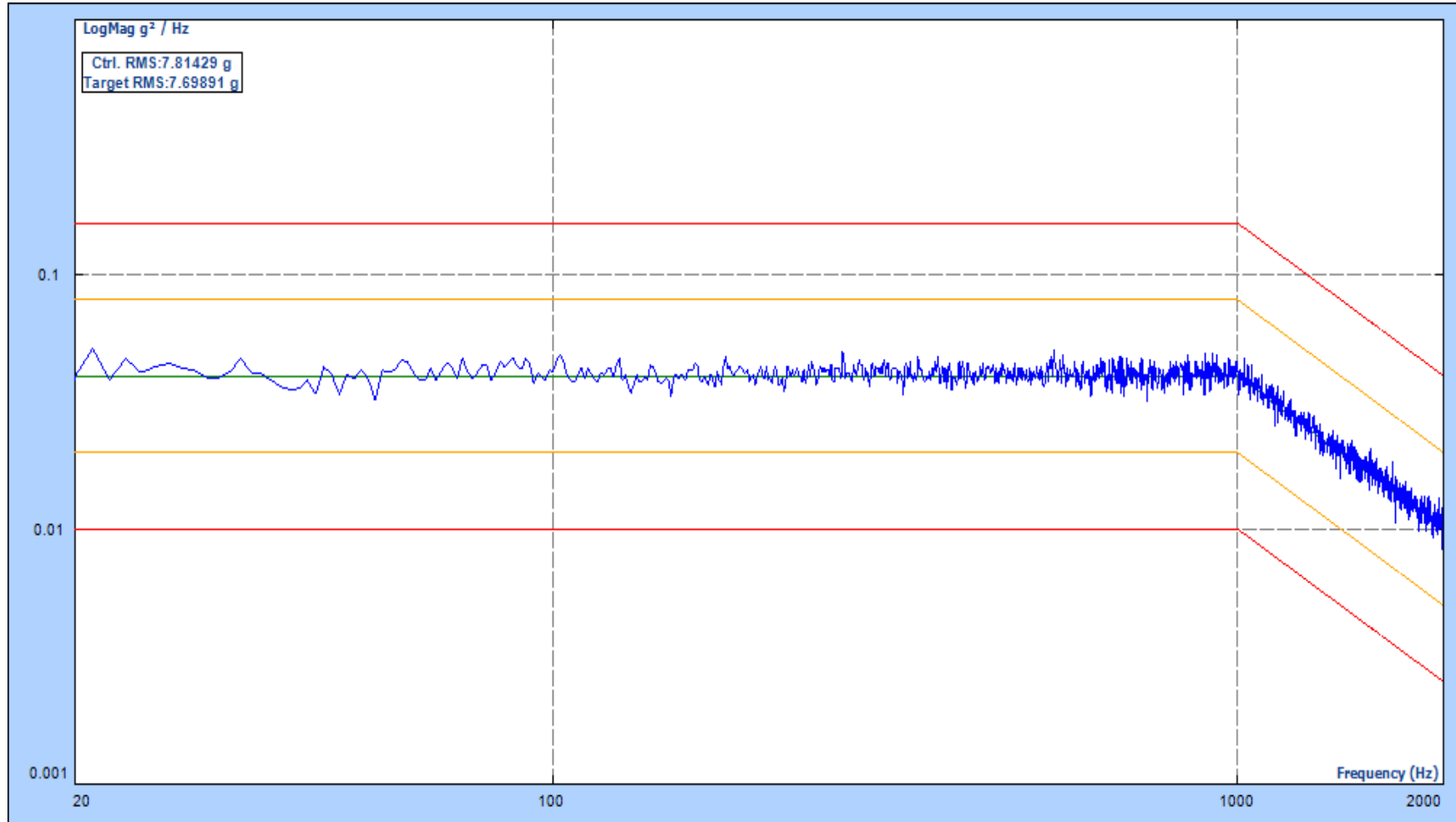


Level: 100.00 %
Velocity Pk: 213.8 mm/s
Remaining: 00:00:00

Drive Pk: 3.987V
Control RMS: 7.783 g
Total Elapsed: 01:01:32

Est. Disp. : 2.040 mm Pk-Pk
Target RMS: 7.698 g
Full Level Elapsed: 01:00:00

Z axis MIL-STD 810G 514.6E-1

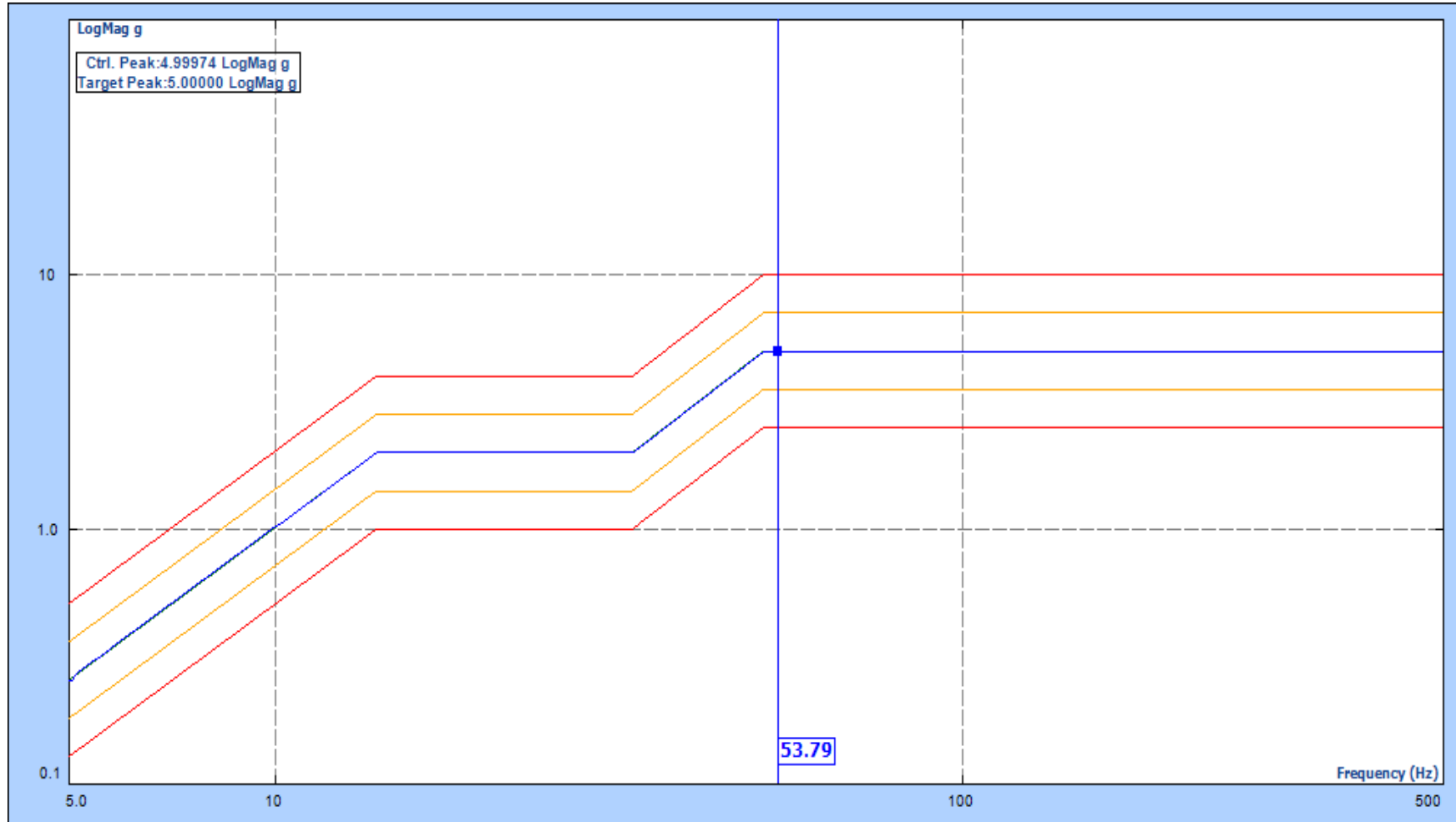


Level: 100.00 %
Velocity Pk: 215.8 mm/s
Remaining: 00:00:00

Drive Pk: 3.140V
Control RMS: 7.814 g
Total Elapsed: 01:01:28

Est. Disp. : 2.084 mm Pk-Pk
Target RMS: 7.698 g
Full Level Elapsed: 01:00:00

X axis MIL-STD 810G 514.6E-2

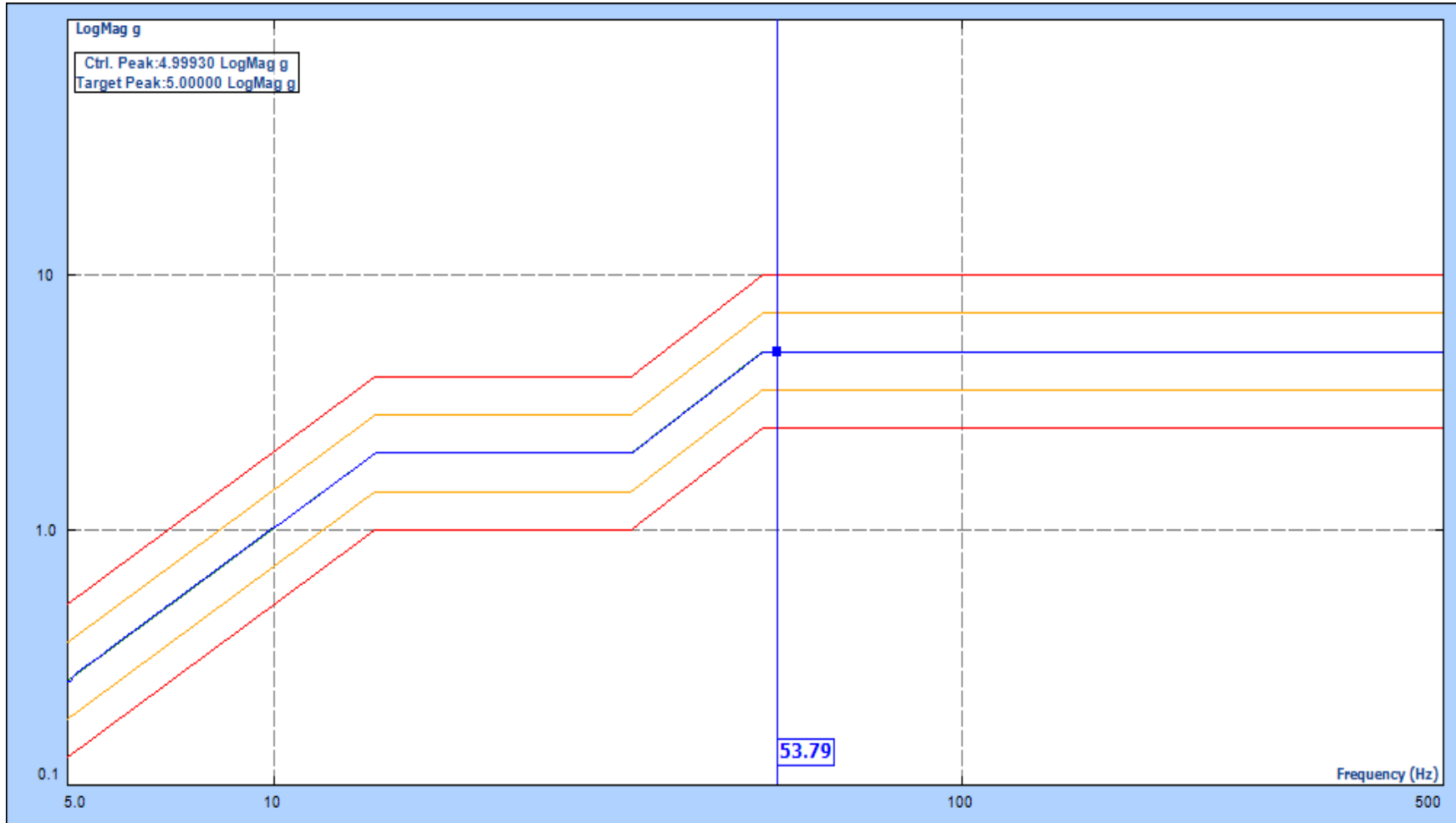


Level: 100.00 %
Velocity Pk: 145.0 mm/s
Remaining: 00:00:00
Sweeping Rate: 1 Oct/Min

Drive Pk: 0.679V
Control Pk: 5.000 g
Total Elapsed: 00:30:54

Est. Disp. : 0.858 mm Pk-Pk
Target Pk: 5.000 g
Full Level Elapsed: 00:30:00

Y axis MIL-STD 810G 514.6E-2

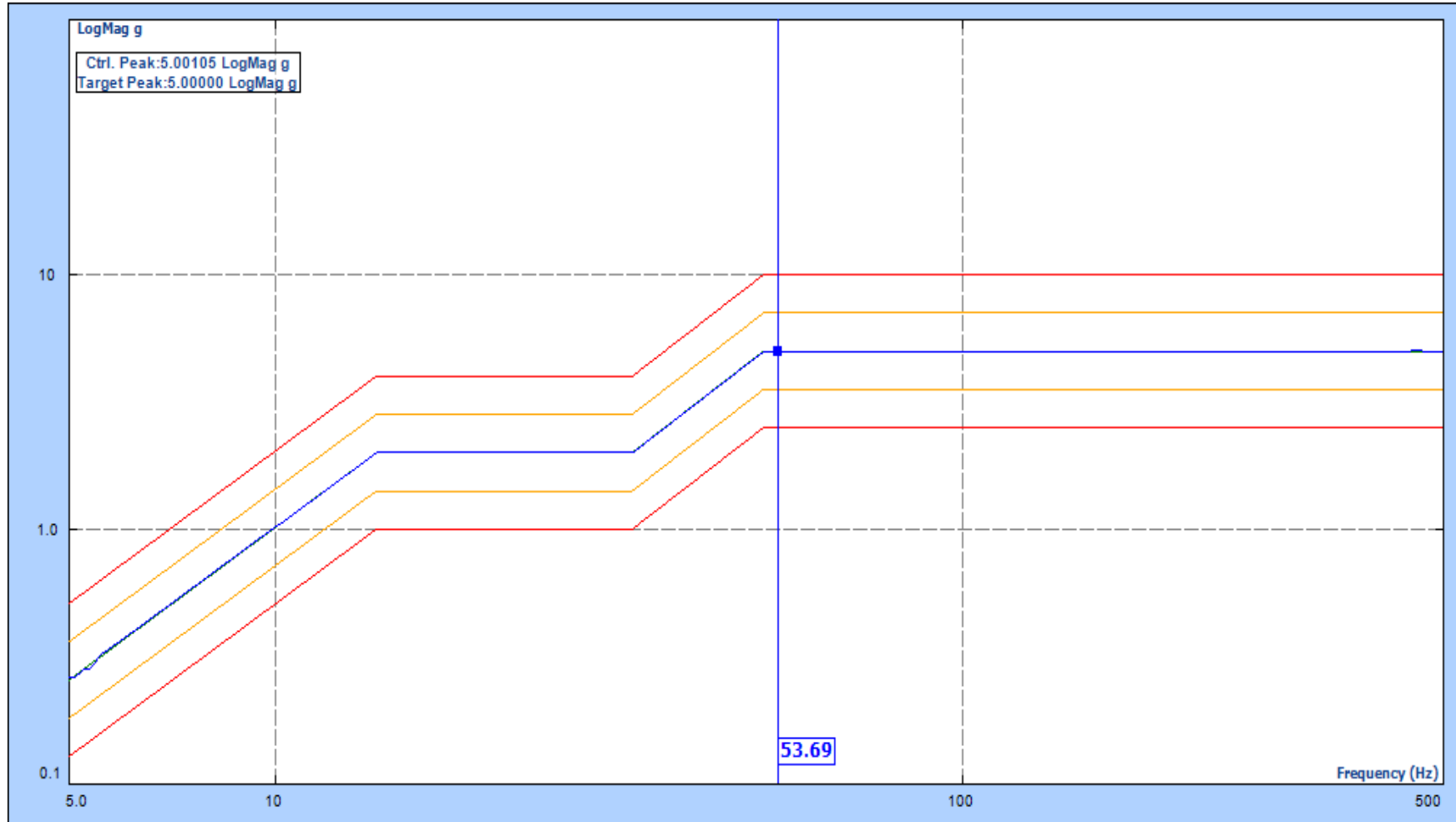


Level: 100.00 %
Velocity Pk: 145.1 mm/s
Remaining: 00:00:00
Sweeping Rate: 1 Oct/Min

Drive Pk: 0.679V
Control Pk: 4.999 g
Total Elapsed: 00:30:55

Est. Disp. : 0.858 mm Pk-Pk
Target Pk: 5.000 g
Full Level Elapsed: 00:30:00

Z axis MIL-STD 810G 514.6E-2



Level: 100.00 %

Velocity Pk: 145.1 mm/s

Remaining: 00:00:00

Sweeping Rate: 1 Oct/Min

-END-

Drive Pk: 0.408V

Control Pk: 5.001 g

Total Elapsed: 00:30:20

Est. Disp. : 0.859 mm Pk-Pk

Target Pk: 5.000 g

Full Level Elapsed: 00:30:00