KING DESIGN®
Reliability & Communication Testing Instruments
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 LABORATORY
http: //www.kdi.tw
http://www.vibration.com.tw
E-mail:service@kdi.tw

TESTING / INSPECTION REPORT

REPORT NO：VT-171212-1

COMPANY：TechNexion Ltd.
ADDRESS：16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511, New Taipei City, Taiwan
TEL：886-2-8227-3585
FAX：886-2-8227-3590
SPECIMEN：TEP0500-IMX7 series
TEP1-i.MX7 DUAL --- TEP1-IMX7D
Power Expansion-L130--- TXR-P1-1030V-LAN1

DATE OF RECEIVED：2017/11/28
DATE OF TESTED：2017/11/28

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

Test Engineer：Hsin Tai Chang	
Approval Signatory：David Lee 2018.1.26	Laboratory Head：Hsin Tai Chang

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TESTING EQUIPMENT：

1. Vibration Tester ：KING DESIGN KD-9363EM-1000F2K-50N120, S/N：GUG02102091
2.Controller ：DACTRON LASER USB, S/N：12448370
3.Control Accelerometer ：WILCOXON RESEARCH WR-784A, S/N：23116

TEST ENVIRONMENT：

Temperature ：25℃ (25±10℃)
Relative Humidity ：62%RH (50±25% RH)

SPECIMEN：

No1
Model/(S/N) ：TEP0500-IMX7 series
TEP1-i.MX7 DUAL --- TEP1-IMX7D
Power Expansion-L130--- TXR-P1-1030V-LAN1

Quantity ：1 unit

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TEST SPECIFICATION：

Random Vibration test (Operating)

Frequency ：5 Hz to 500 Hz

Frequency (Hz)	PSD (g)²/Hz
5	0.00202068
500	0.00202068

Test Axis ：X, Y, Z axis

Acceleration ：1 grms

Test Time ：60 min / axis

Total Test Time : 180 min

TEST RESULT：

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	——	——
Appearance check	√	——	——

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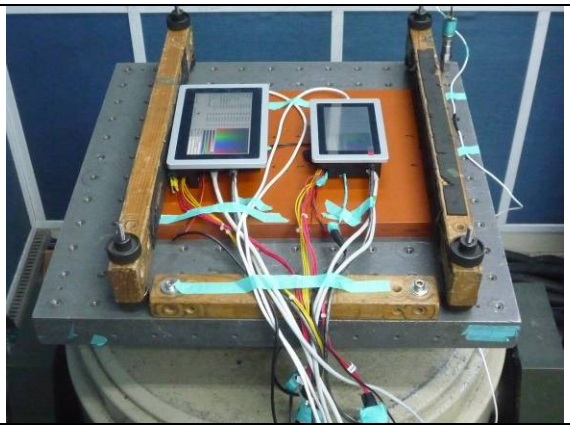
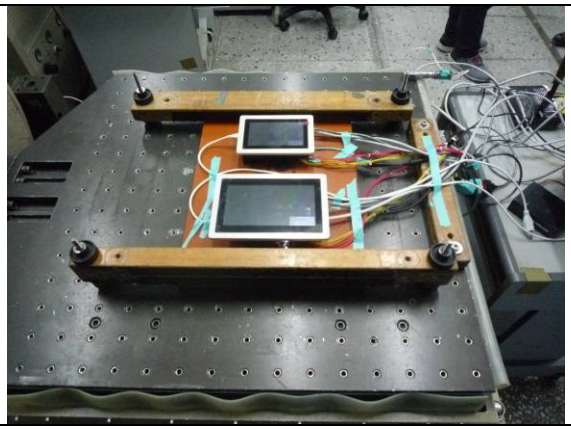
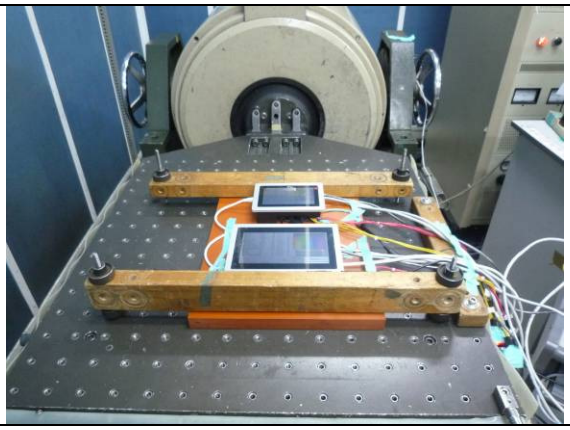
TESTING / INSPECTION REPORT

Vibration **testing photos**	
Testing equipment	**Z axis**
	
X axis	**Y axis**
	

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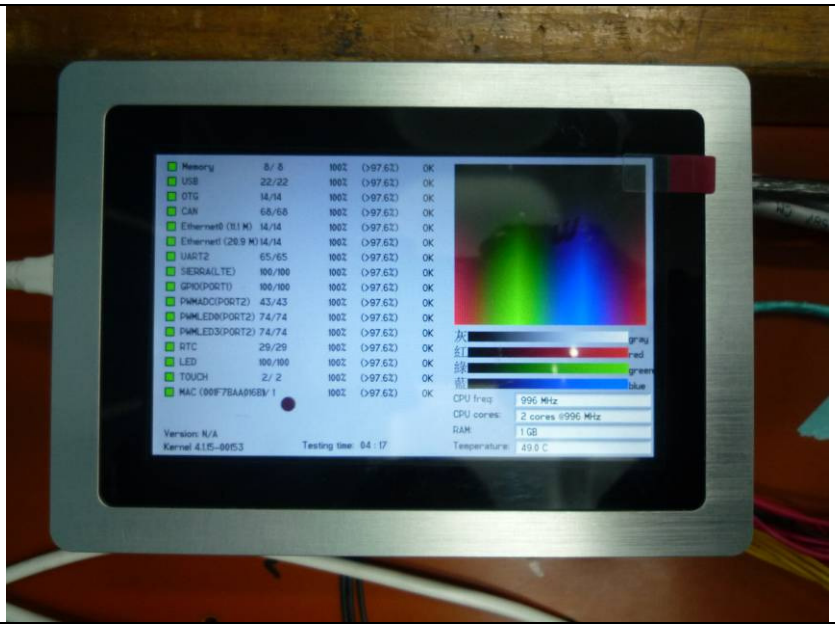
Testing photos

After test-1

After test-2



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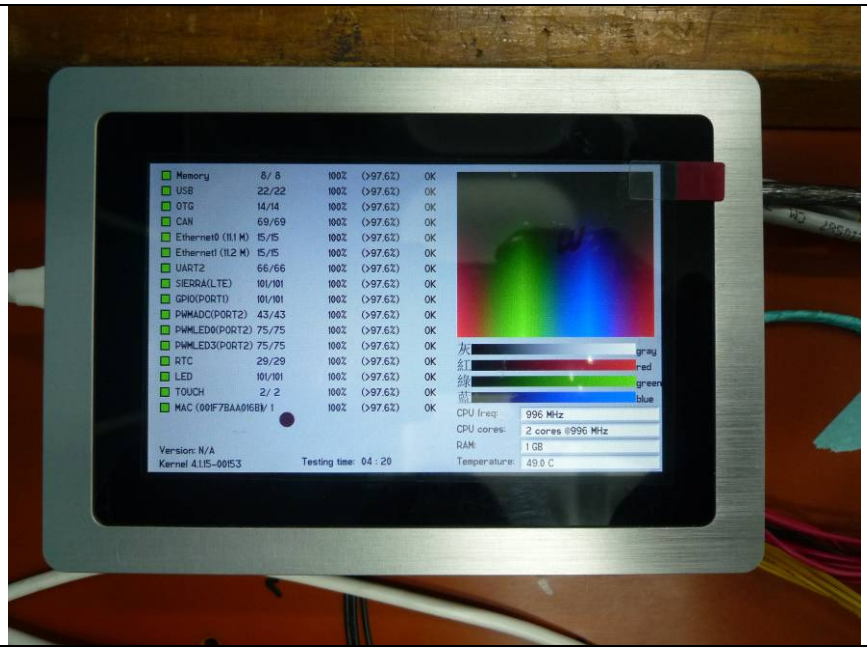
TESTING / INSPECTION REPORT

Testing photos

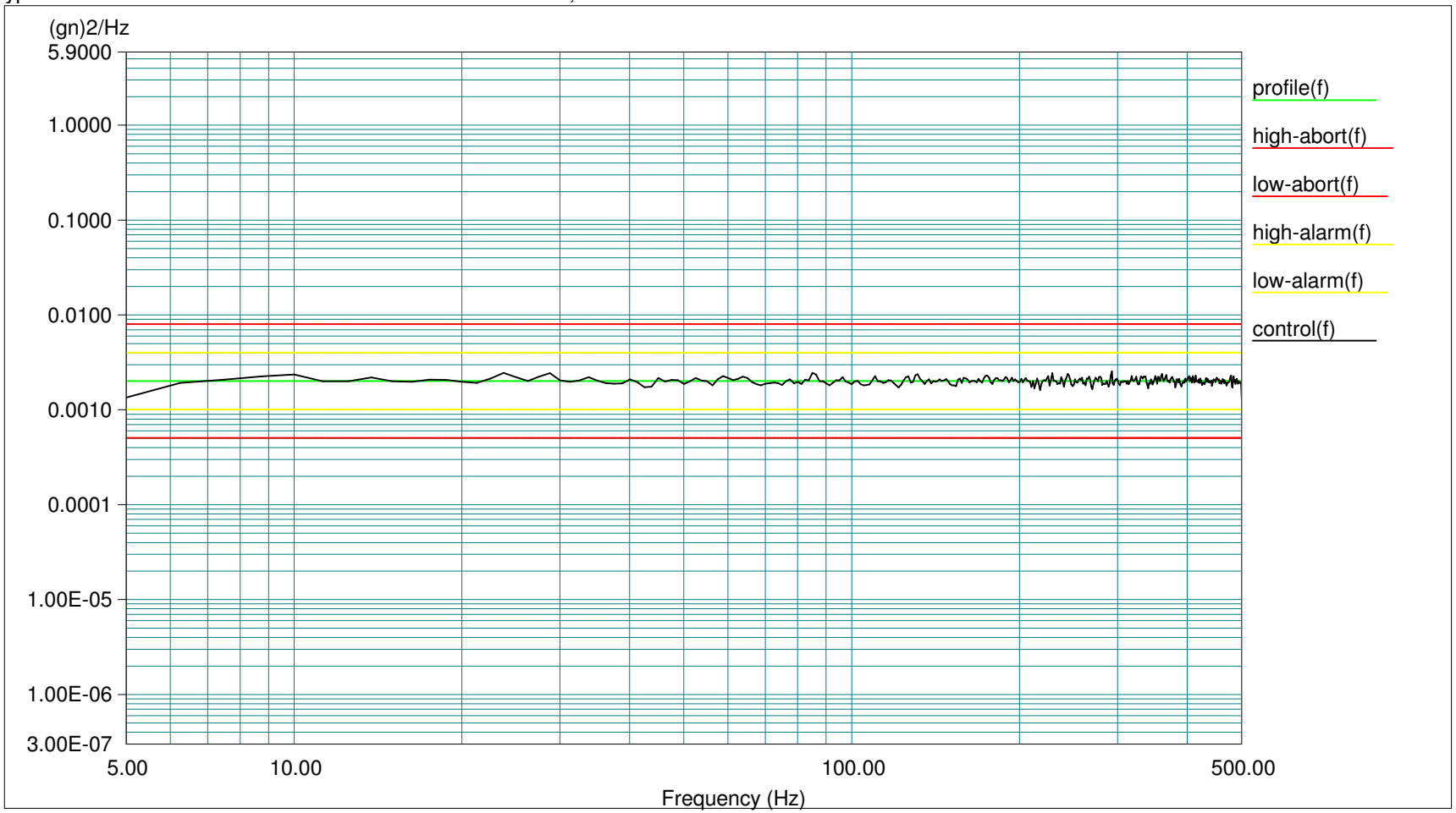
After test-3

After test-4



X axis -

Test Type: Random Run Folder: .\RunFolder Nov 28, 2017 12-05-15



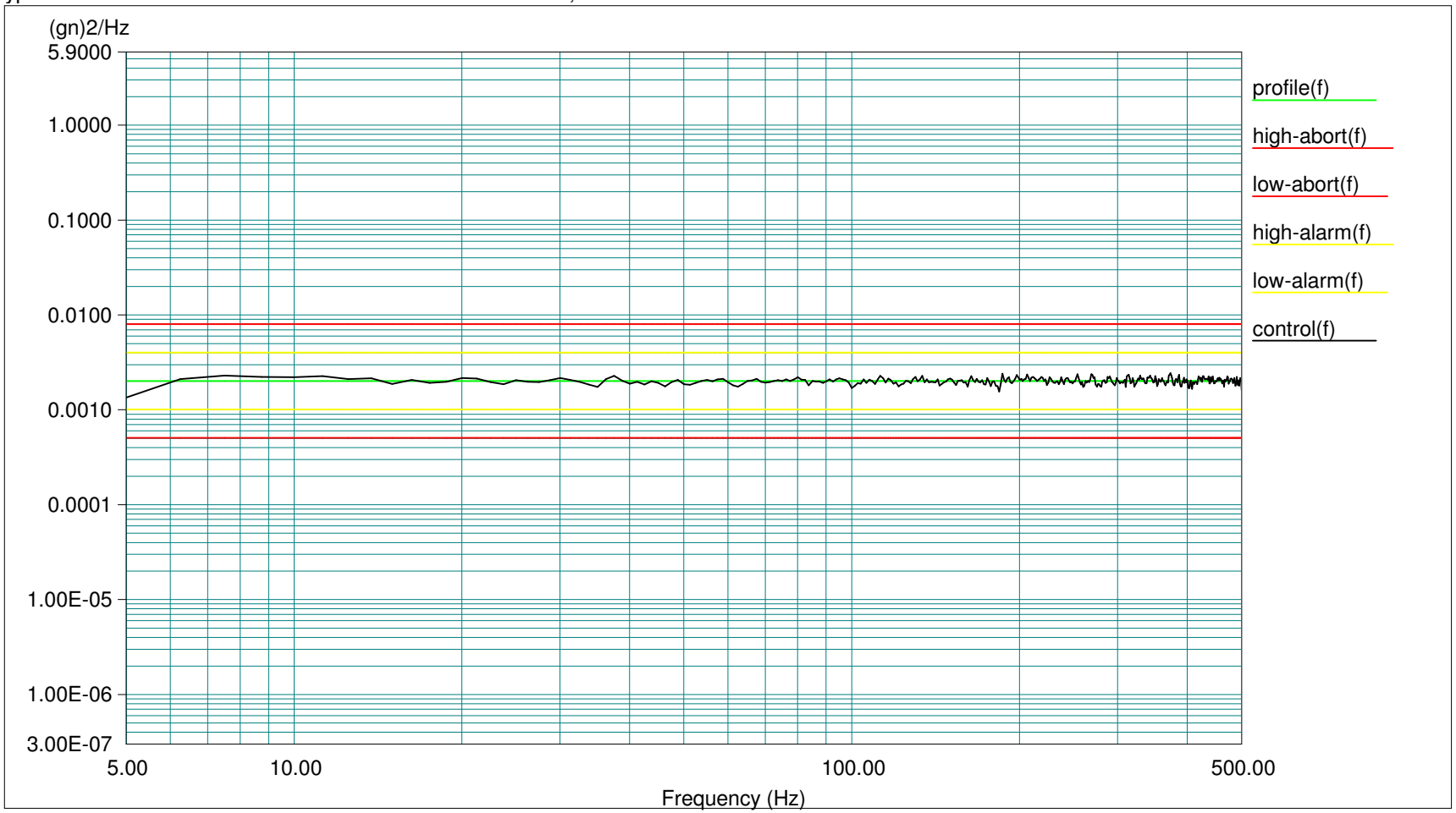
Level: 100 %

Control RMS: 1.002116 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000666 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Y axis

Test Type: Random Run Folder: .\RunFolder Nov 28, 2017 10-45-33



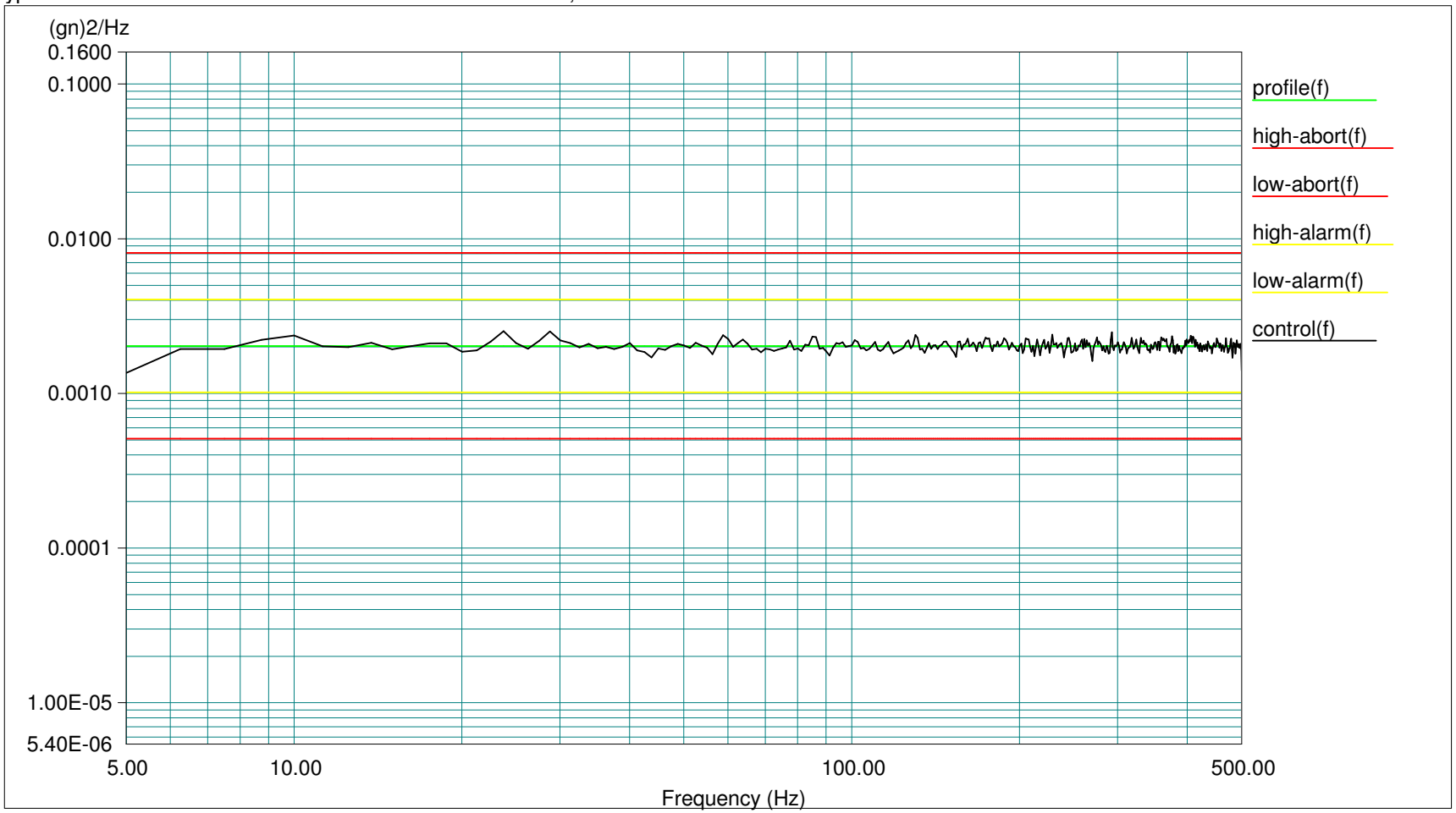
Level: 100 %

Control RMS: 1.002234 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000666 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Z axis

Test Type: Random Run Folder: .\RunFolder Nov 28, 2017 13-41-29



Level: 100 %

Control RMS: 1.003474 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000666 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

-END-