

**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](mailto:service@kdi.tw)**TESTING / INSPECTION REPORT**

REPORT NO : VT-170508-1

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-IMX6 series

TEP1-i.MX6 UltraLite---TEP1-IMX6UL

Power Expansion-L124---TXR-P1-24V-LAN1

DATE OF RECEIVED : 2017/05/04

DATE OF TESTED : 2017/05/04

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.

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Test Engineer :



Approval Signatory :

2017.6.16 

Laboratory Head :



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## TESTING / INSPECTION REPORT

### 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°C (25±10°C)
- Relative Humidity : 60%RH (50±25% RH)

### SPECIMEN :

- No1
- Model/(S/N) : TEP0500-IMX6 series  
TEP1-i.MX6 UltraLite---TEP1-IMX6UL  
Power Expansion-L124---TXR-P1-24V-LAN1
- Quantity : 1 unit

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## TESTING / INSPECTION REPORT

### TEST SPECIFICATION :

Random Vibration test (Operating)

Frequency : 5 Hz to 500 Hz

Frequency (Hz)	PSD (g) <sup>2</sup> /Hz
5	0.00202068
500	0.00202068

Test Axis : X, Y, Z axis

Acceleration : 1 grms




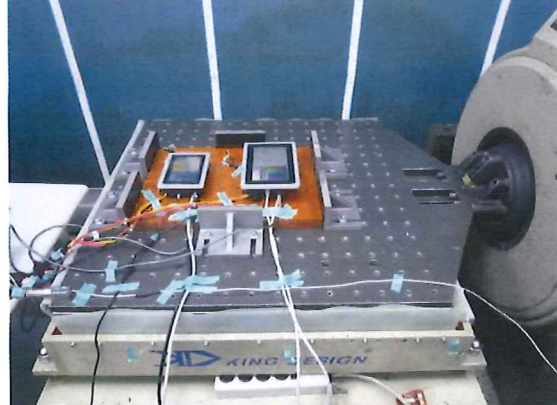
Test Time : 60 min / axis

Total Test Time : 180 min

### TEST RESULT :

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

TESTING / INSPECTION REPORT

Vibration testing photos	
Testing equipment	Z axis
	
X axis	Y axis
	



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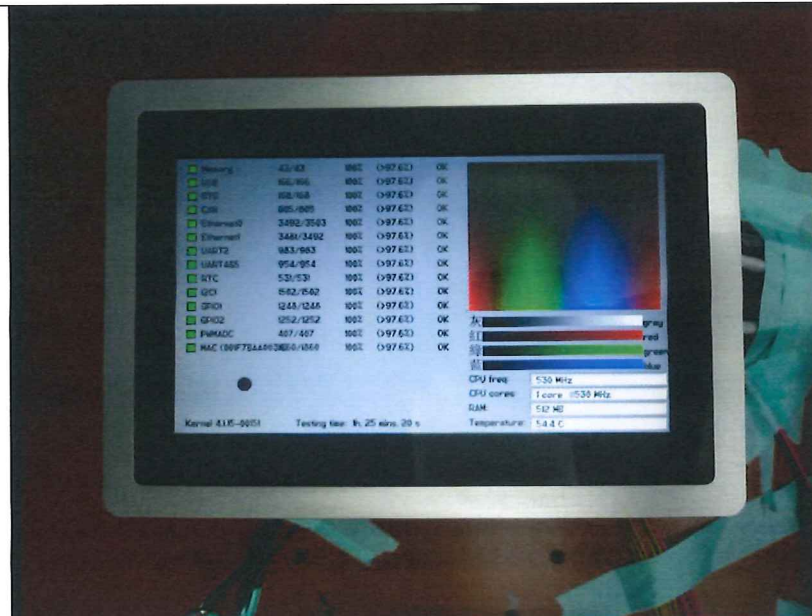
E-mail:service@kdi.tw

Testing photos

After test-1



After test-2



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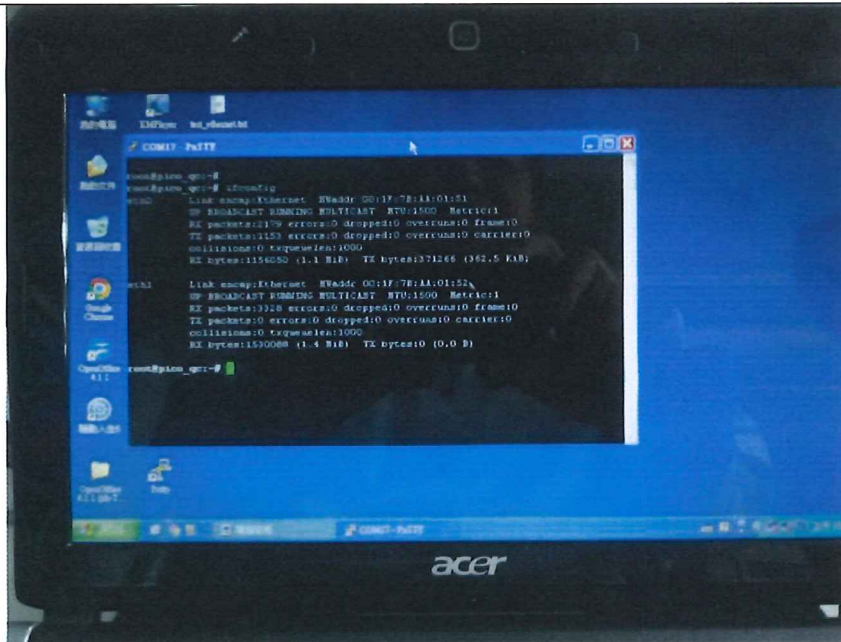
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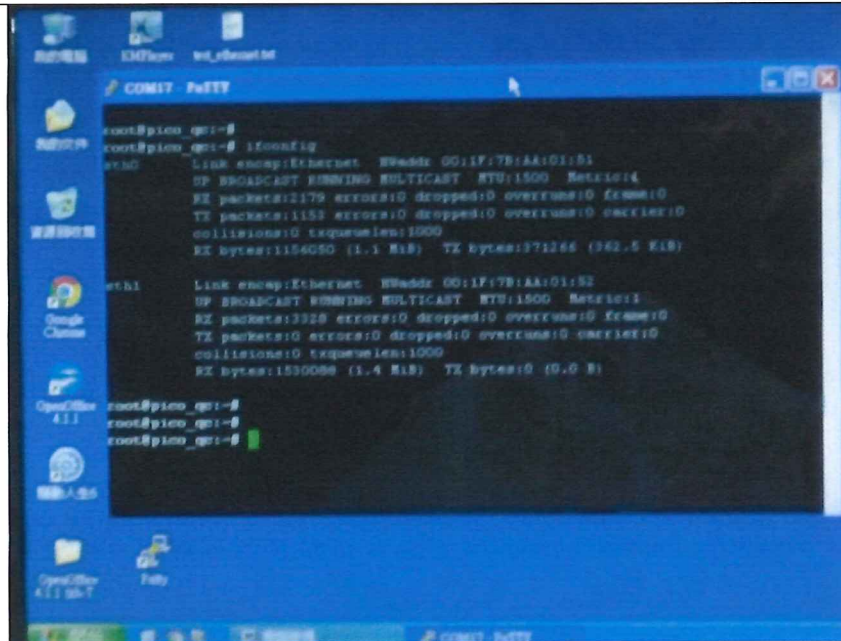
## TESTING / INSPECTION REPORT

### Testing photos

#### After test-3



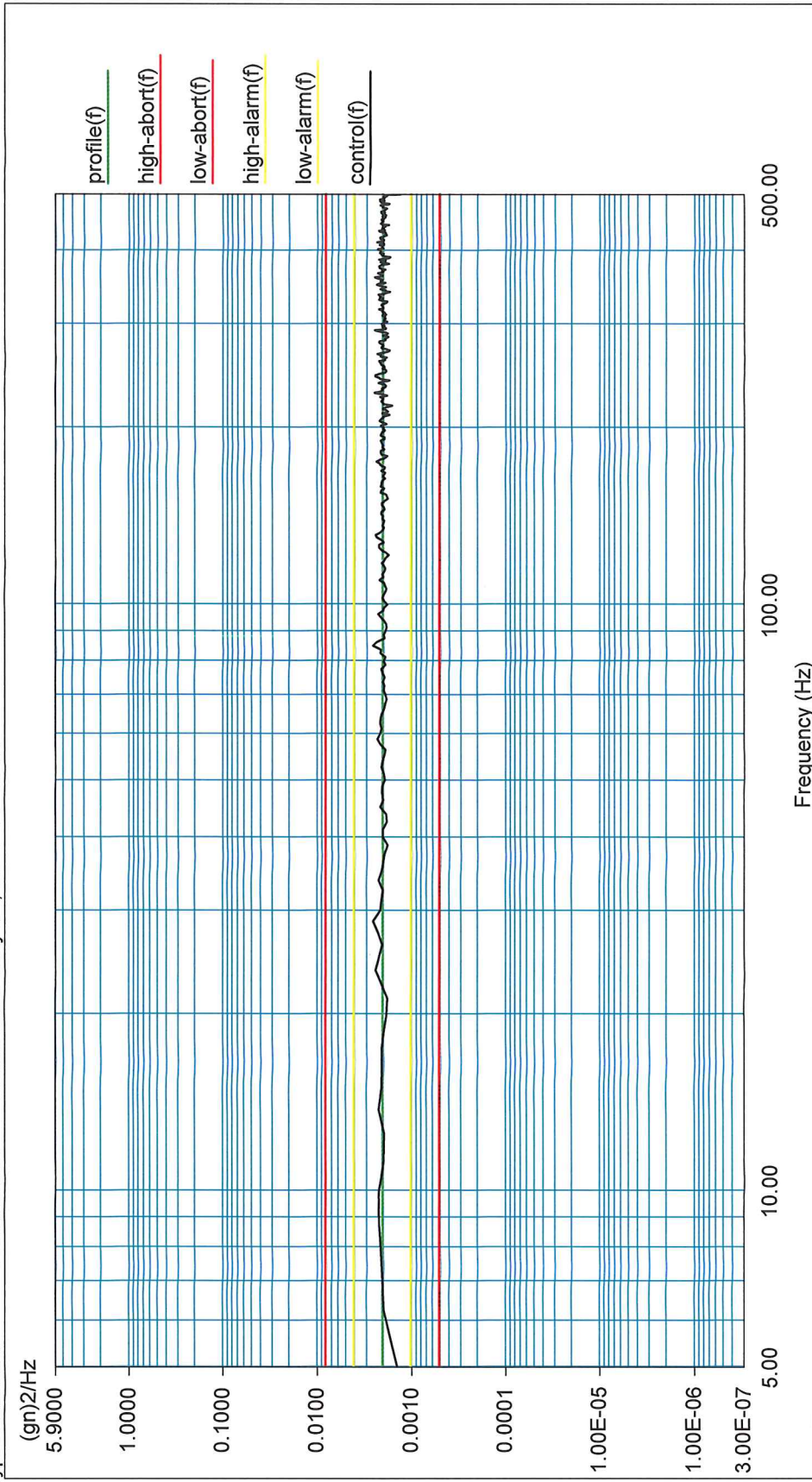
#### After test-4



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X axis -

Test Type: Random Run Folder: .\RunFolder May 04, 2017 11-48-21

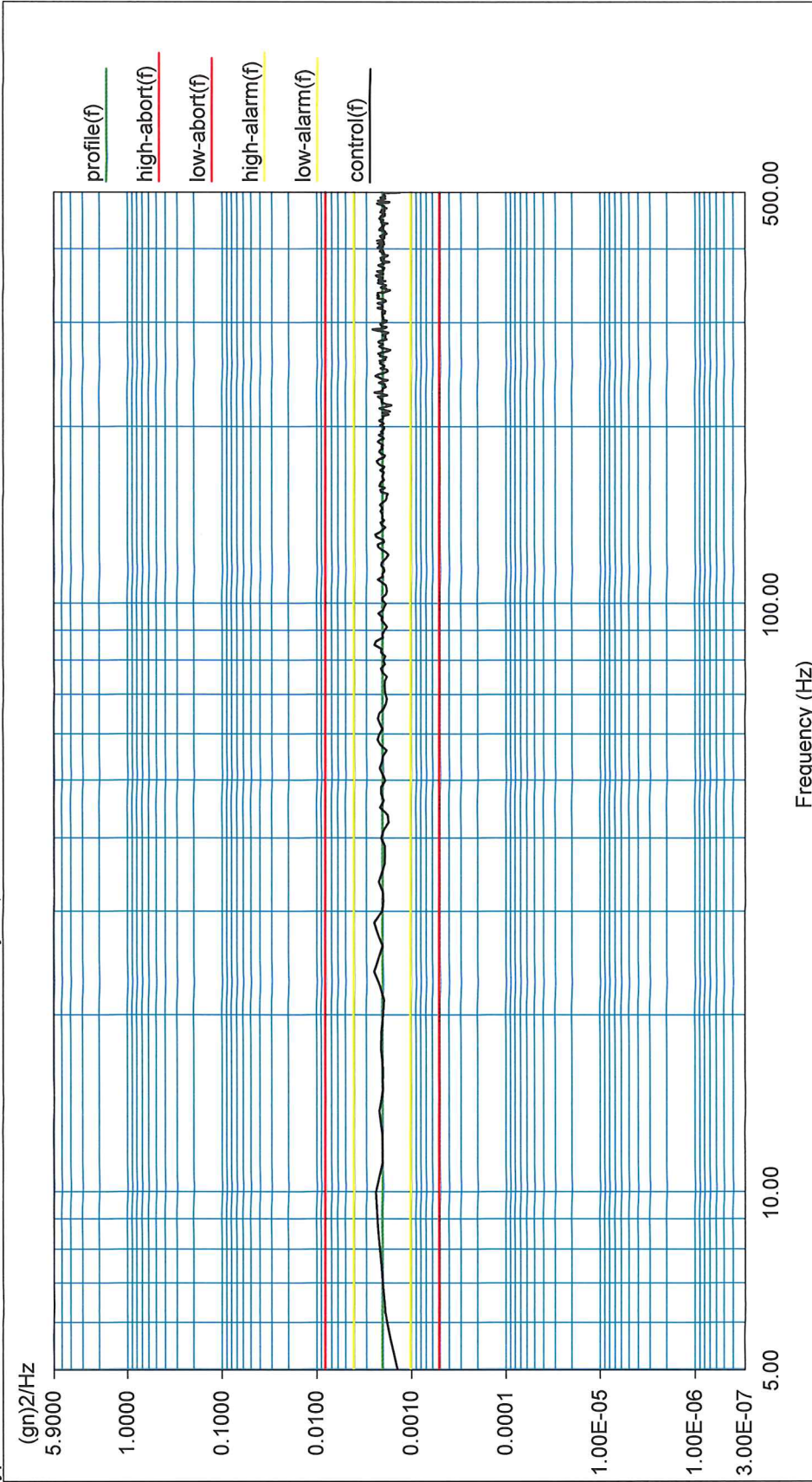


Level: 100 %  
 Control RMS: 1.000439 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds  
 Demand RMS: 1.000666 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz



Y axis

Test Type: Random Run Folder: .\RunFolder May 04, 2017 10-32-18



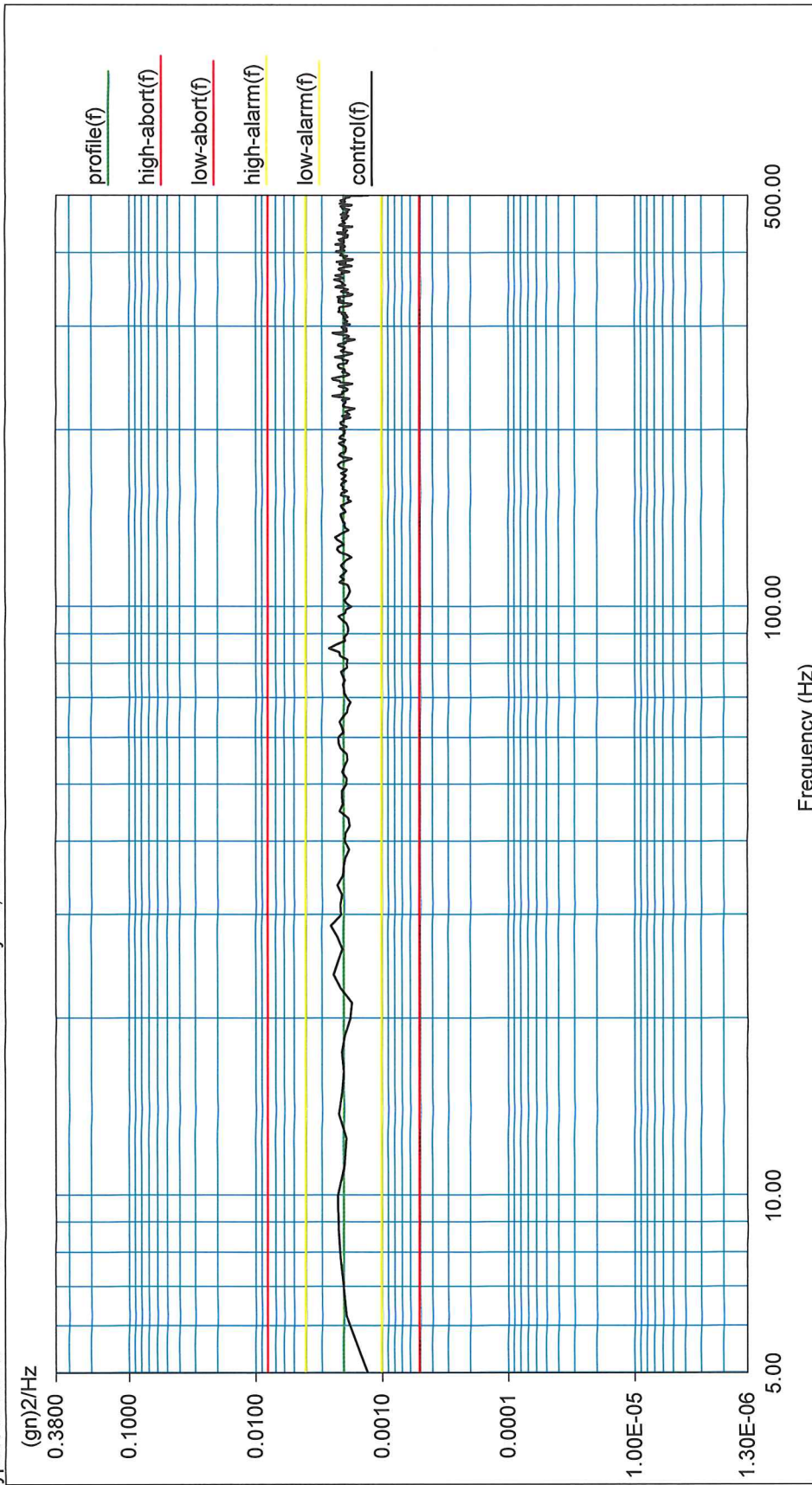
Level: 100 %  
 Control RMS: 1.002095 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds  
 Demand RMS: 1.000666 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

騎縫



Z axis

Test Type: Random Run Folder: .\RunFolder May 04, 2017 13-19-30



Level: 100 %  
 Control RMS: 1.002309 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-

