

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-170428-5

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 : TEK3-IMX6G series No1.
TEK3-IMX6G series No2.

DATE OF RECEIVED : 2017/04/19

DATE OF TESTED : 2017/04/19

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

Test Engineer : <i>Hsin Tai Chang</i>	
Approval Signatory : <i>David Lee</i> <i>2017.5.15</i>	Laboratory Head : <i>Hsin Tai Chang</i>

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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) | : TEK3-IMX6G series
TEK3-i.MX6UL --- TEK3-IMX6G
Power Expansion-L130 --- TXB-P1-1030V-LAN1
I/O Expansion-XG20 --- TXB-I2-GS2-GC2-GG8 |
| Quantity | : 1 unit |

No2

- | | |
|-------------|--|
| Model/(S/N) | : TEK3-IMX6G series
TEK3-i.MX6UL--- TEK3-IMX6G
Power Expansion-LPOE--- TXB-P1-12V-POE1
I/O Expansion-XS20 --- TXB-I2-S2-C2-G8 |
| 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) ² /Hz
5	0.0181858
500	0.0181858

Test Axis : X, Y, Z axis

Acceleration : 3 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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VIBRATION LABORATORY

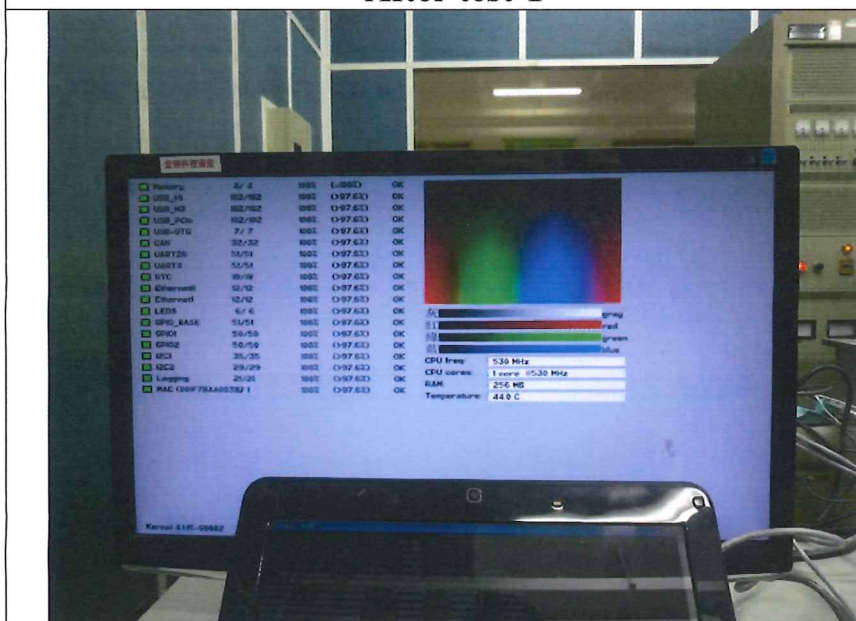
<http://www.kdi.tw>

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

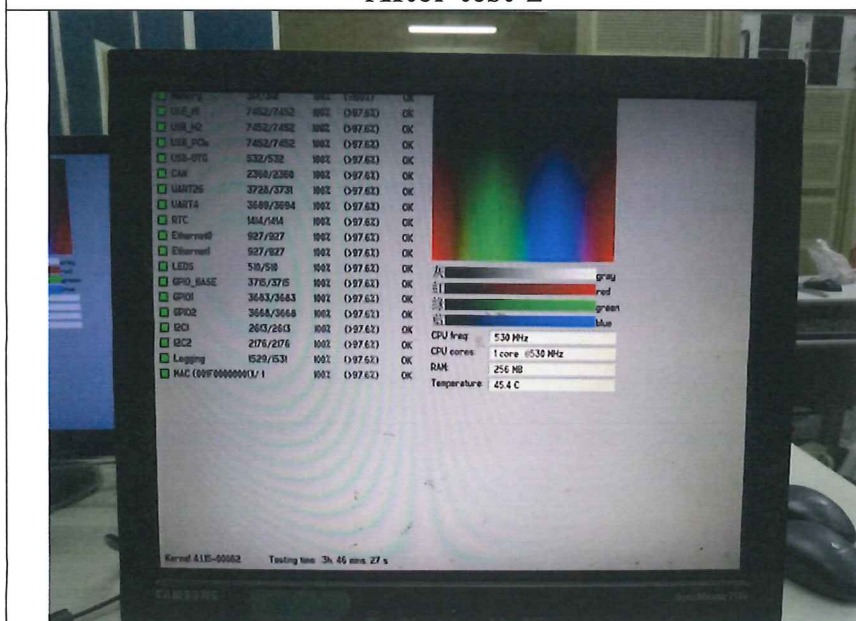
E-mail: service@kdi.tw

Testing photos

After test-1



After test-2



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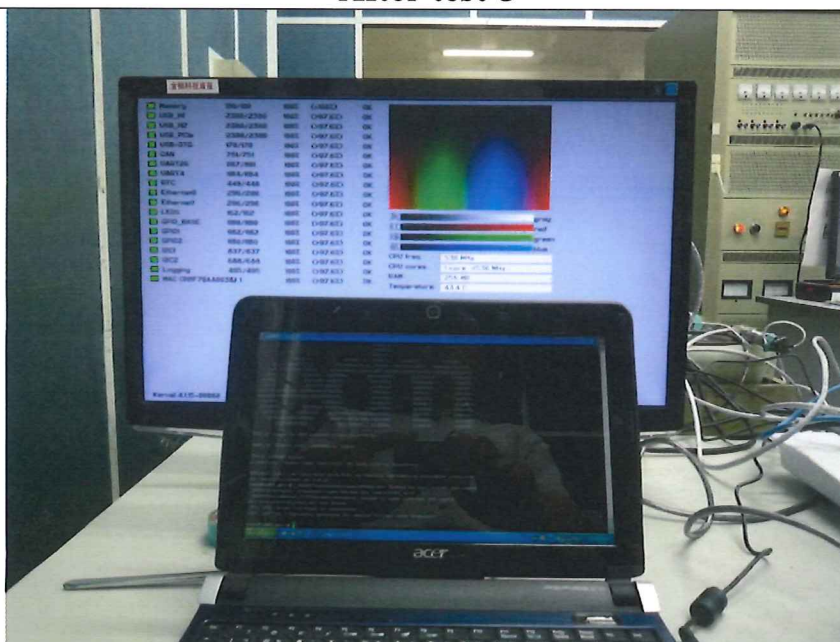
<http://www.vibration.com.tw>

E-mail: service@kdi.tw

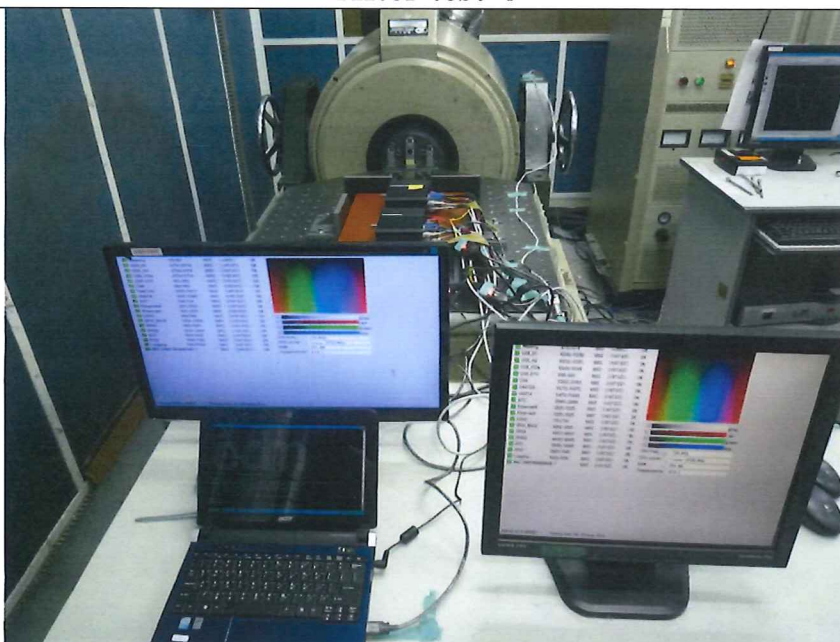
TESTING / INSPECTION REPORT

Testing photos

After test-3



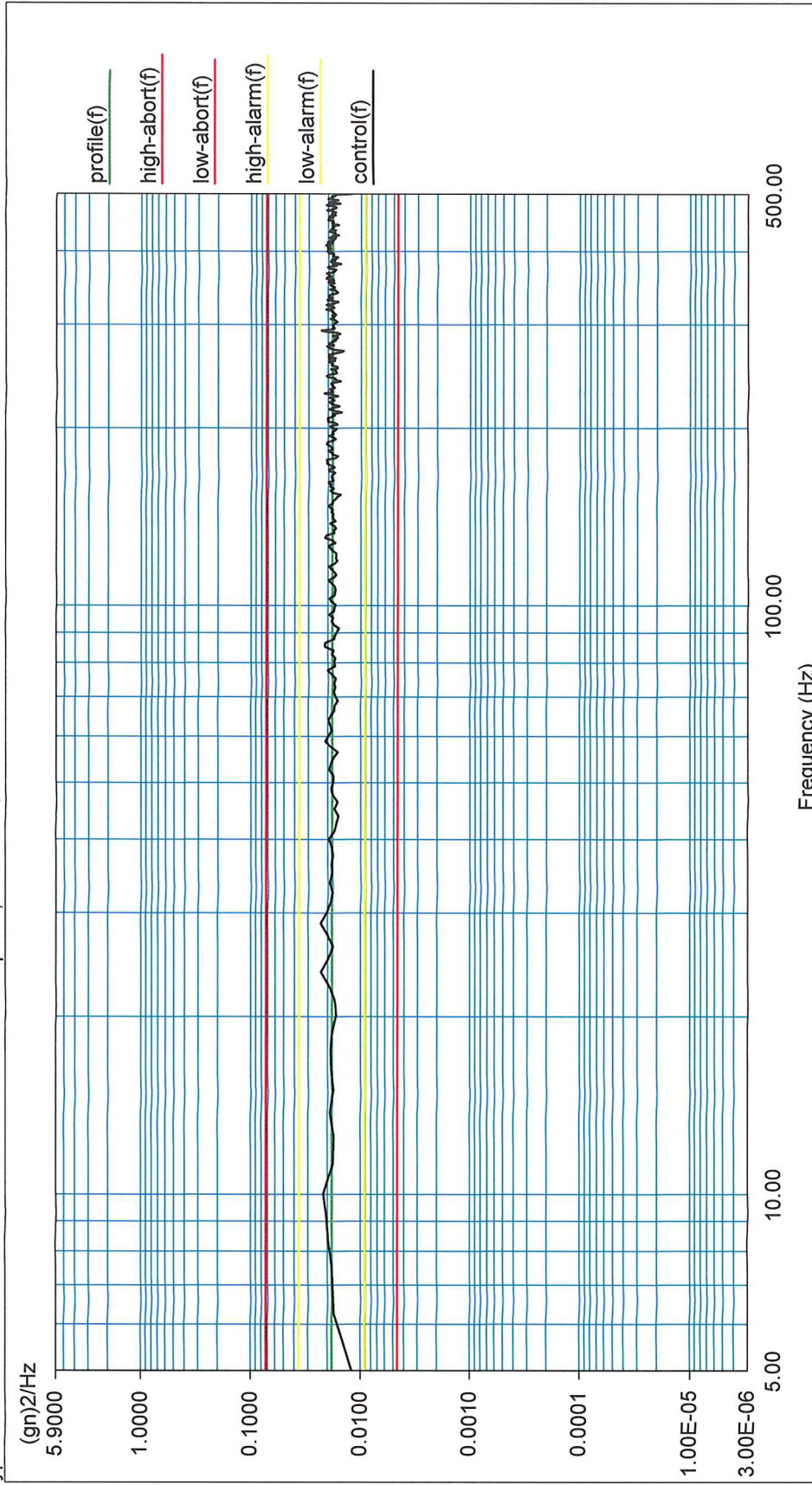
After test-4



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X axis -

Test Type: Random Run Folder: .\RunFolder Apr 19, 2017 14:32:29



Level: 100 %

Control RMS: 3.013722 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

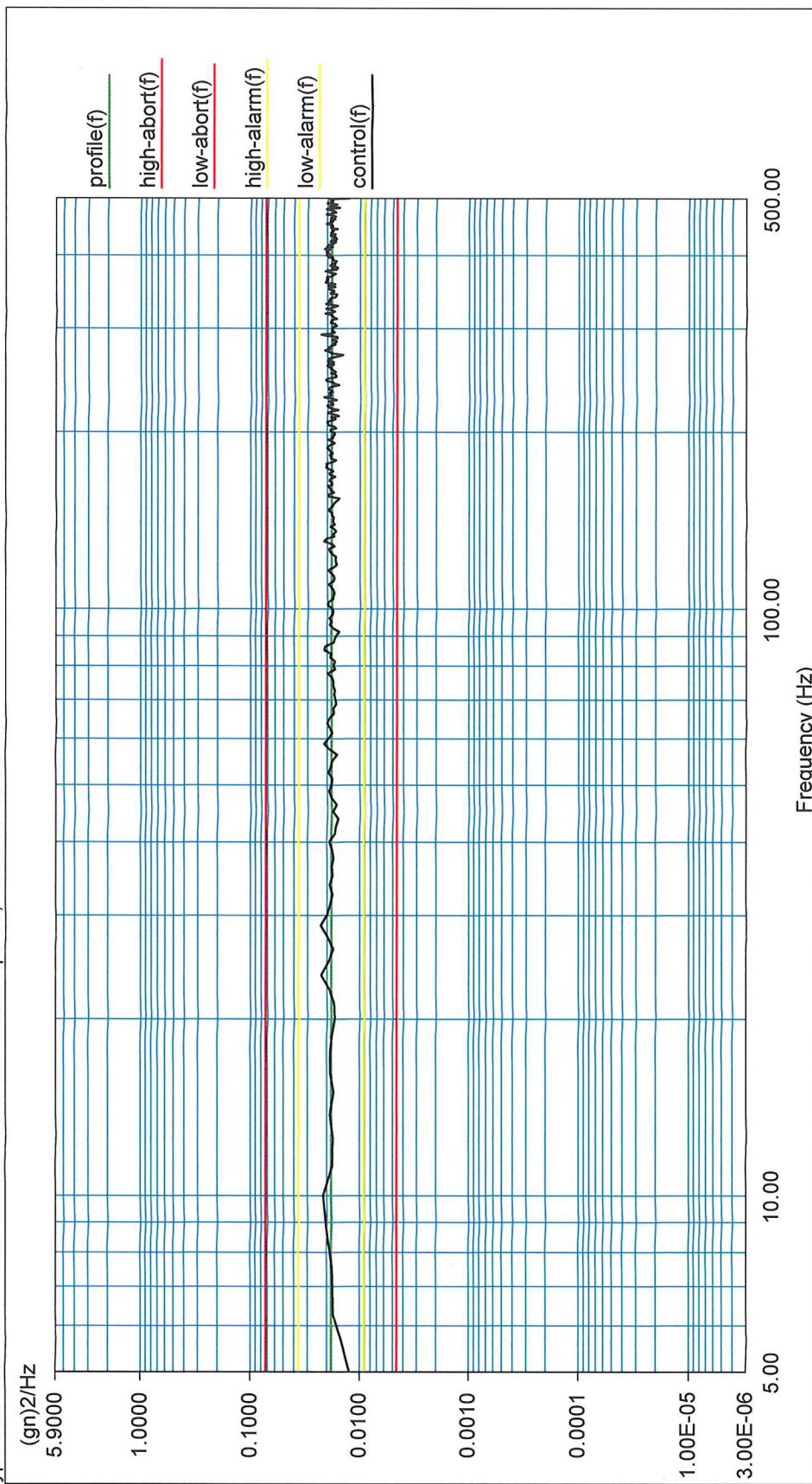
Demand RMS: 3.001977 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 03:45:52 PM, Wednesday, April 19, 2017 Report created at 03:45:53 PM, Wednesday, April 19, 2017



Y axis

Test Type: Random Run Folder: .\RunFolder Apr 19, 2017 13-13-07



Level: 100 %

Control RMS: 3.010783 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

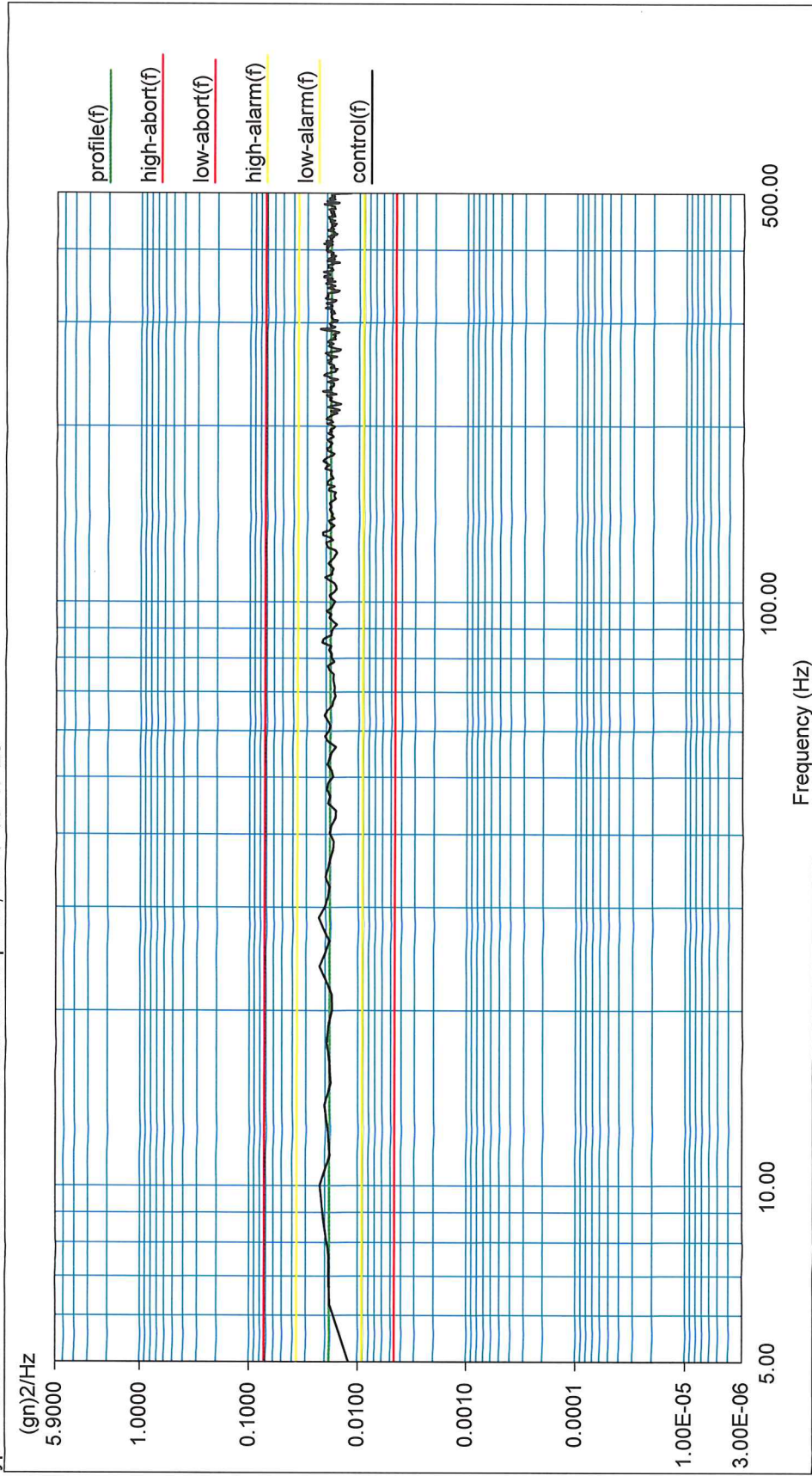
Demand RMS: 3.001977 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 02:16:26 PM, Wednesday, April 19, 2017 Report created at 02:16:27 PM, Wednesday, April 19, 2017

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Z axis

Test Type: Random Run Folder: \RunFolder Apr 19, 2017 10-47-28



Level: 100 %

Control RMS: 3.014511 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 3.001977 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 11:49:16 AM, Wednesday, April 19, 2017

Report created at 11:49:20 AM, Wednesday, April 19, 2017 -END-

