

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-170119-2

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 : TEP1560-IMX6 series

TEP5-i.MX6 Quad --- TEP5-IMX6Q

Power Expansion-LPOE --- TXR-P1-12V-POE1

I/O Expansion-XG20 --- TXR-I2-GS2-GC2-GG8

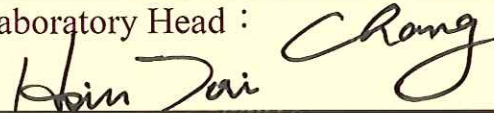
DATE OF RECEIVED : 2016/12/23

DATE OF TESTED : 2016/12/23

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 : 	
Approval Signatory : 	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 | : 63%RH (50±25% RH) |

SPECIMEN :

- | | |
|-------------|--|
| Model/(S/N) | : TEP1560-IMX6 series
TEP5-i.MX6 Quad --- TEP5-IMX6Q
Power Expansion-LPOE --- TXR-P1-12V-POE1
I/O Expansion-XG20 --- TXR-I2-GS2-GC2-GG8 |
|-------------|--|

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	0.0020202
500	0.0020202

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	√	—	—

實驗室

TESTING / INSPECTION REPORT

Vibration testing photos

Testing equipment



Z axis



X axis



Y axis

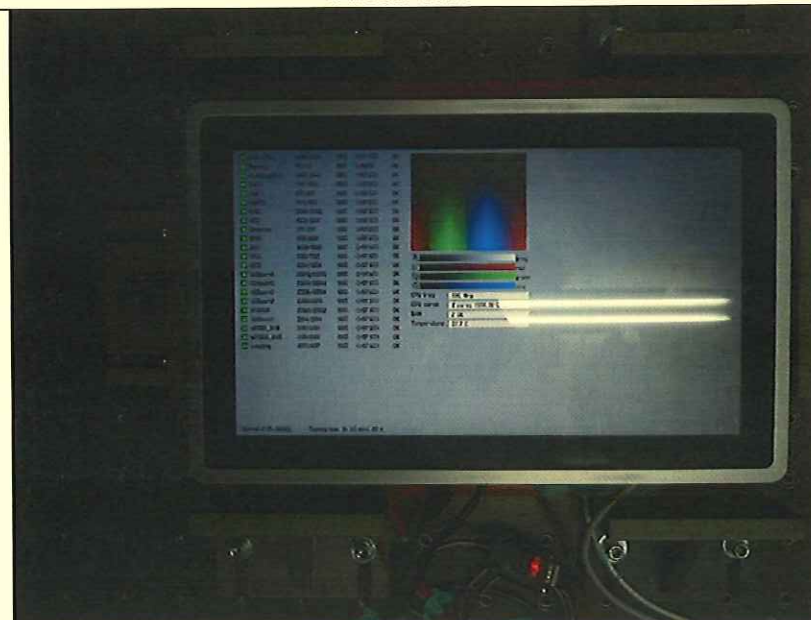


Testing photos

After test-1



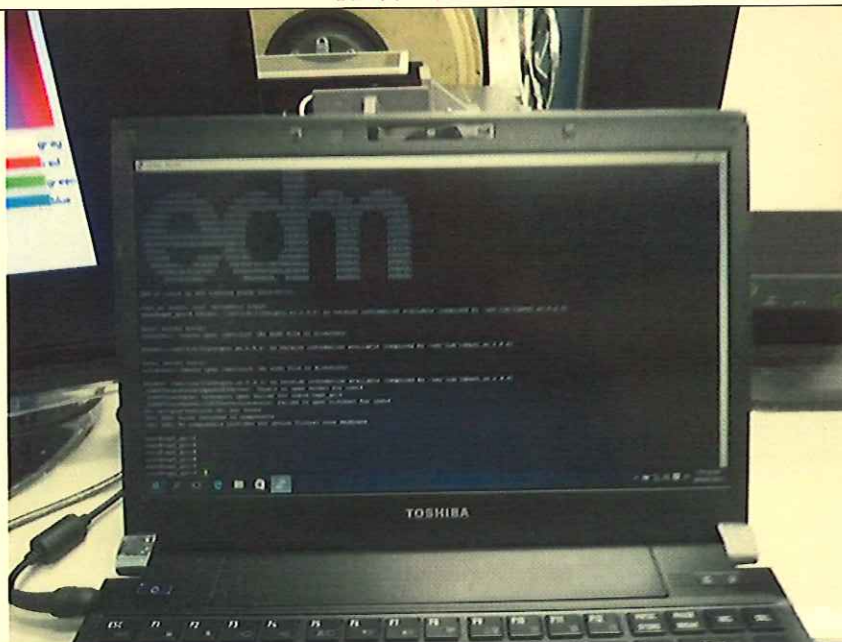
After test-2



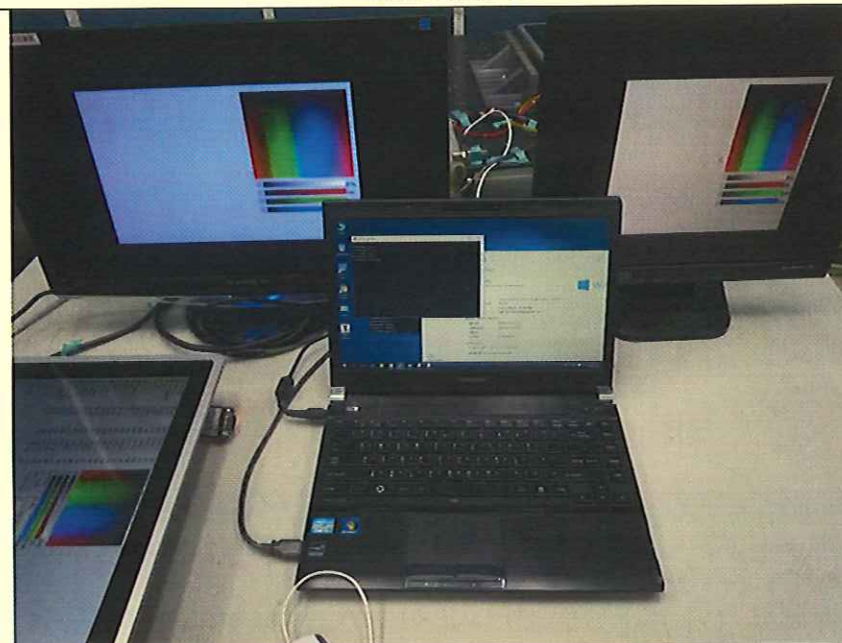
TESTING / INSPECTION REPORT

Testing photos

After test-3



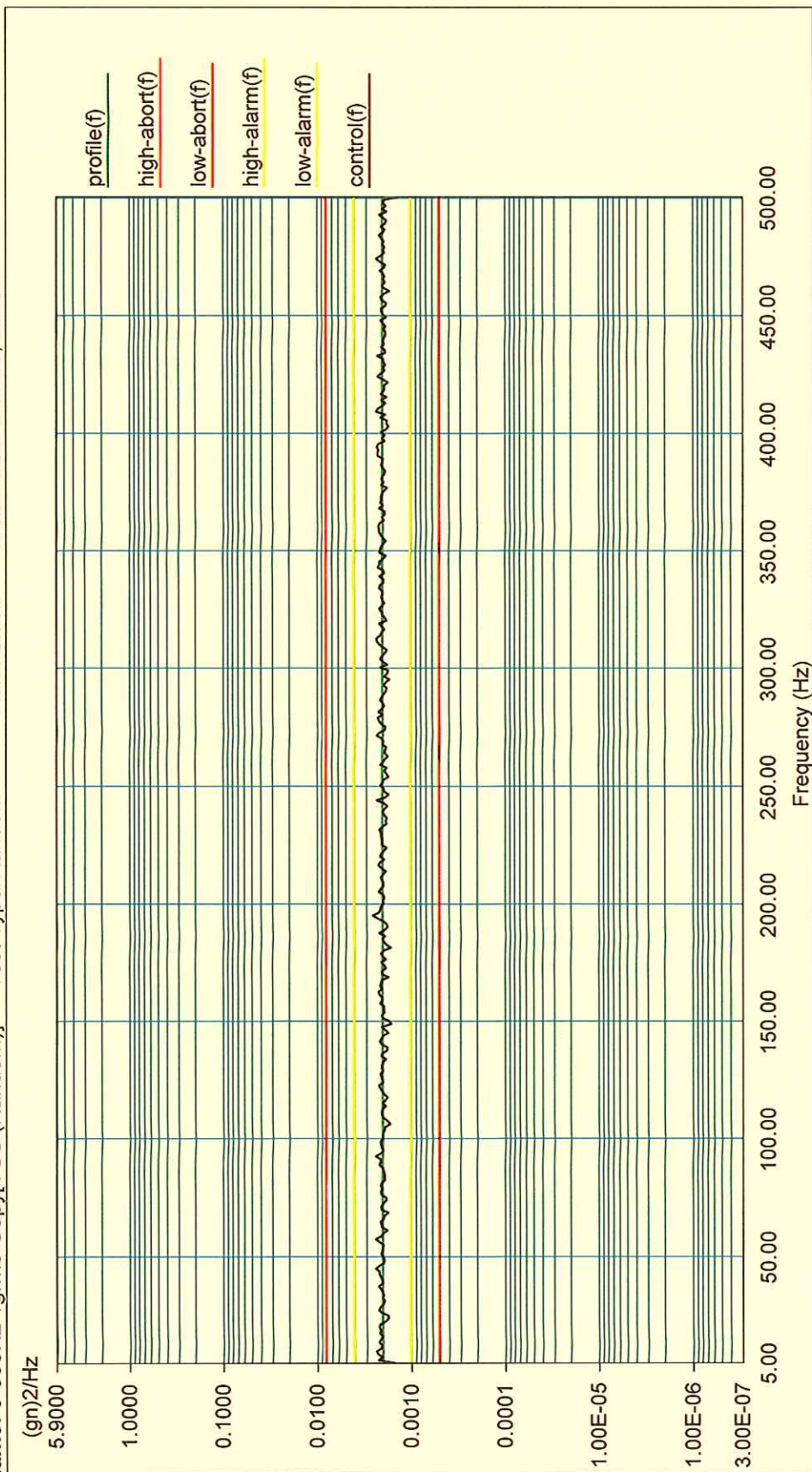
After test-4



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X axis -

Test Name: 5-500Hz 1grms-Copy[VCS (Random)] Test Type: Random Run Folder: .\RunFolder Dec 23, 2016.



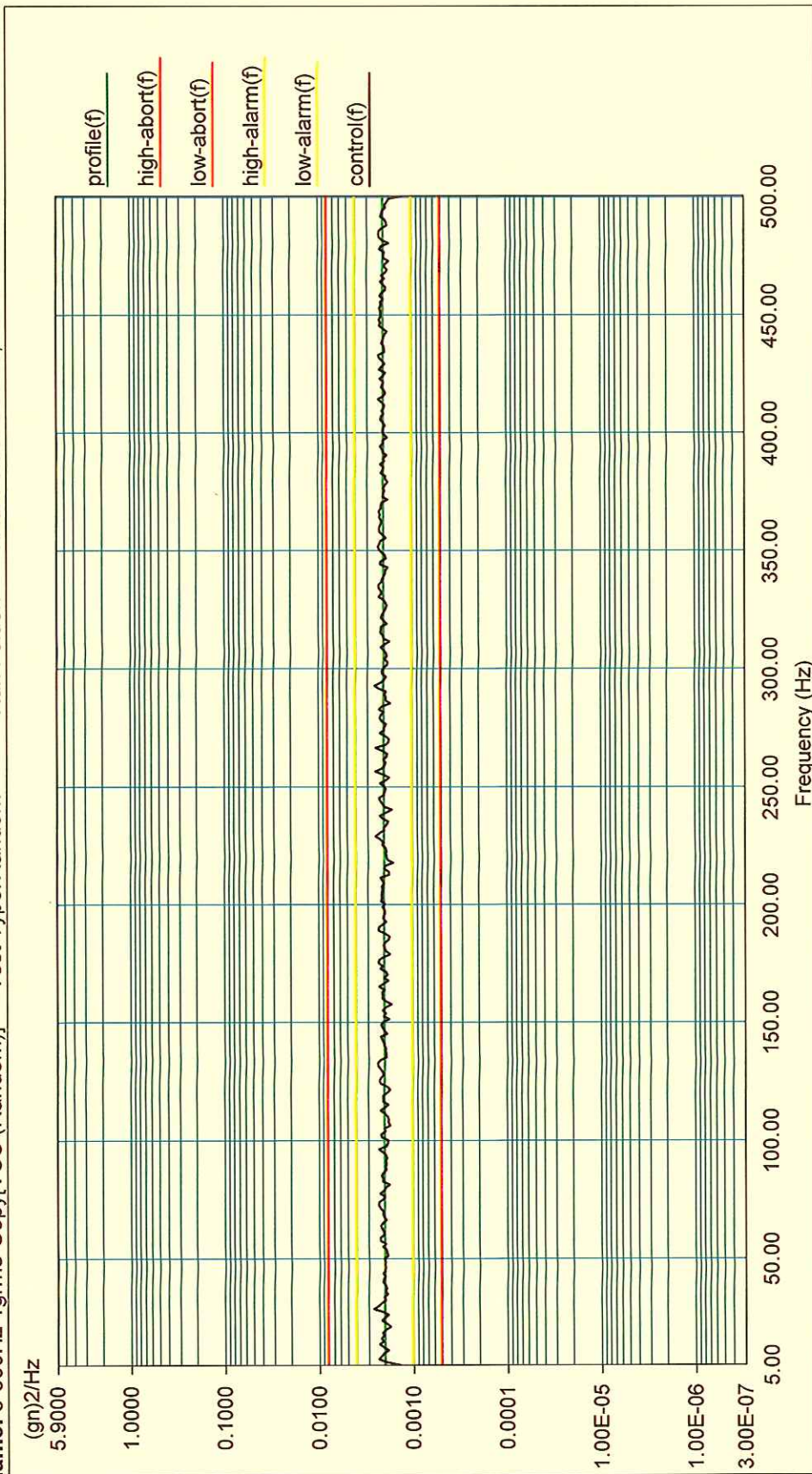
Level: 100 %

Control RMS: 0.997410 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 Name: 5-500Hz 1grms-Copy[VCS (Random)] Test Type: Random Run Folder: .\RunFolder Dec 23, 2016



Level: 100 %

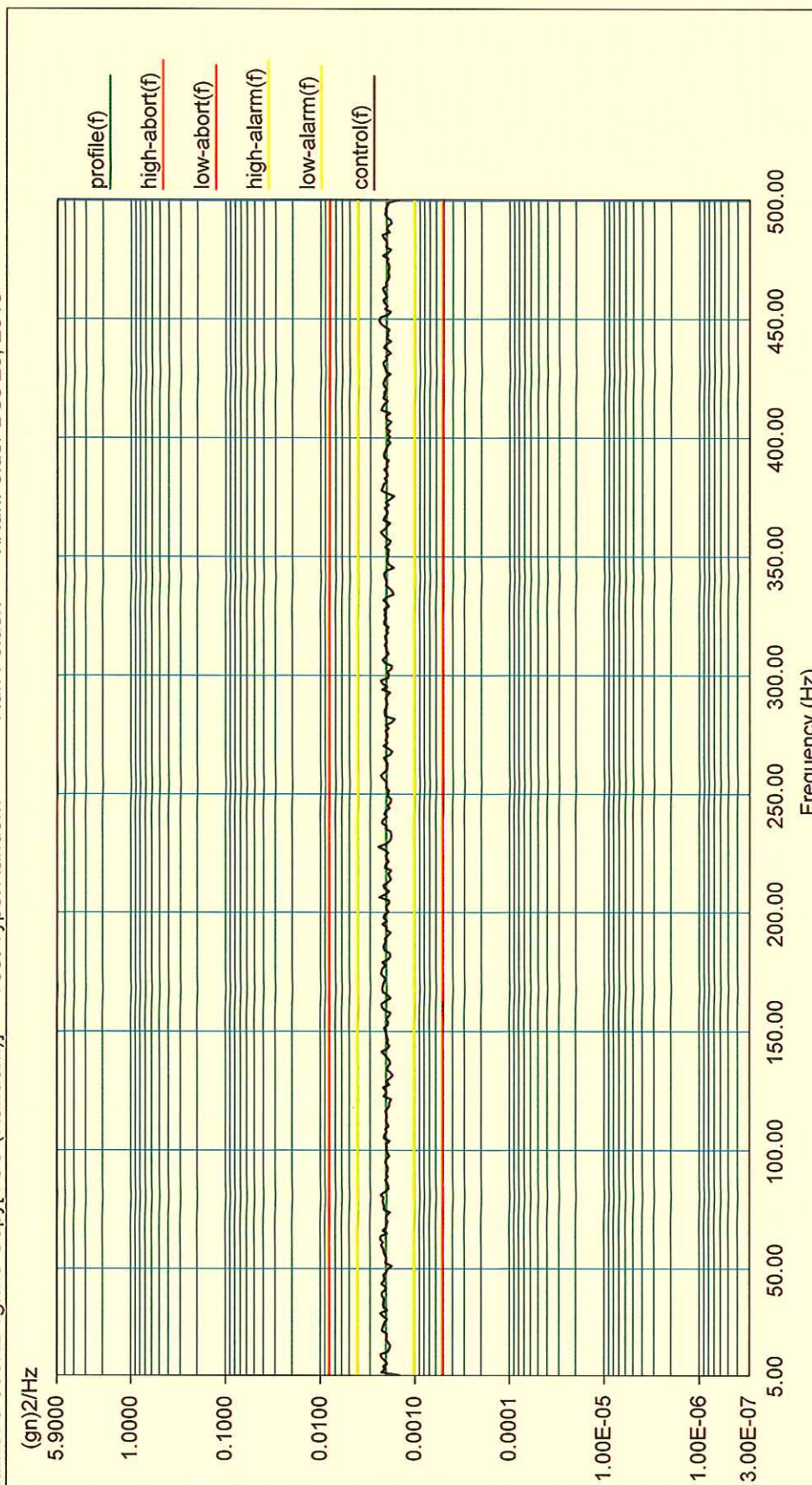
Control RMS: 1.003848 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

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



Z axis

Test Name: 5-500Hz 1grms-Copy[VCS (Random)] Test Type: Random Run Folder: .\RunFolder Dec 23, 2016



Level: 100 %

Control RMS: 1.000687 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-

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