

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-170508-2

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 : TEP0700-IMX6 series

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

Power Expansion-L112--- TXR-P1-12V-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 : <i>Hsin Tai Cheng</i>	
Approval Signatory : <i>David Lee</i> 2017.6.14	Laboratory Head : <i>Hsin Tai Cheng</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) : TEP0700-IMX6 series
TEP1-i.MX6 UltraLite---TEP1-IMX6UL
Power Expansion-L112---TXR-P1-12V-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) 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	√	---	---

TESTING / INSPECTION REPORT

Vibration testing photos	
Testing equipment	Z axis
	
X axis	Y axis
	



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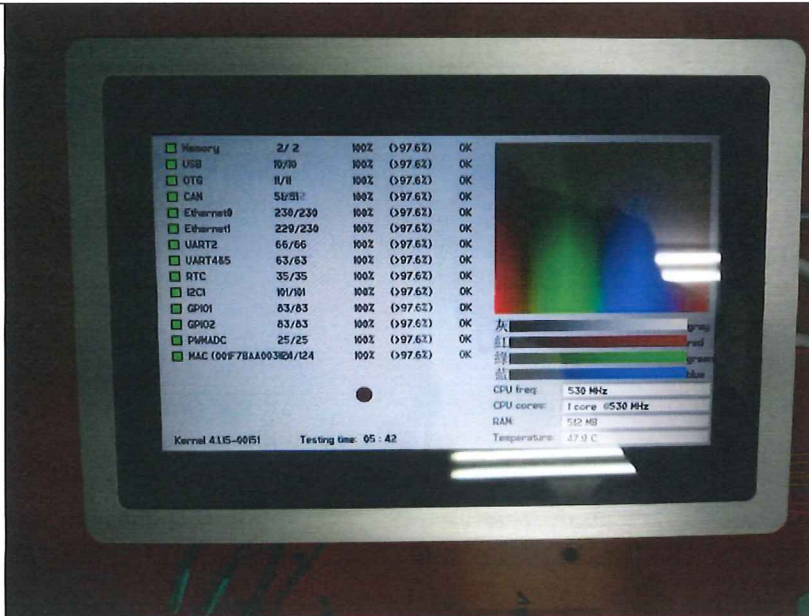
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Testing photos
After test-1

After test-2


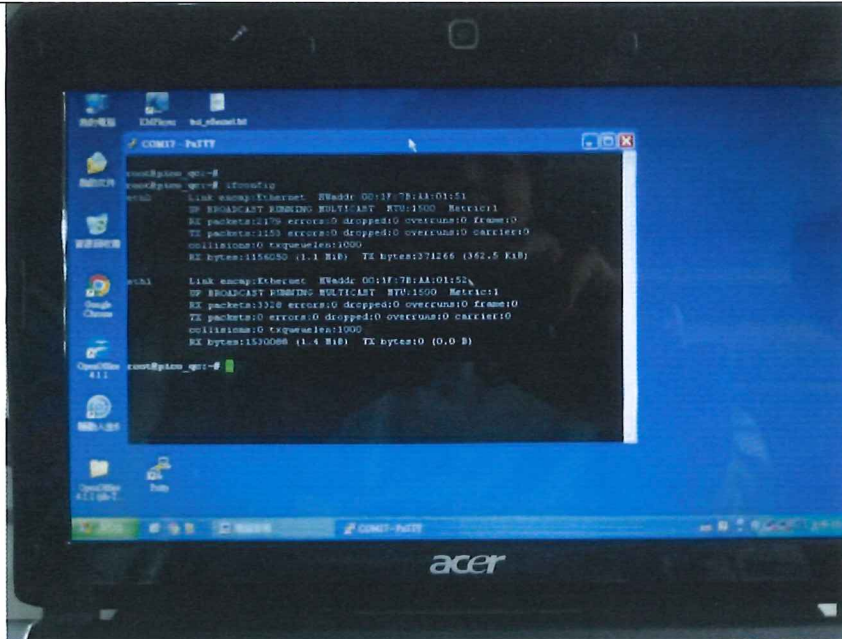
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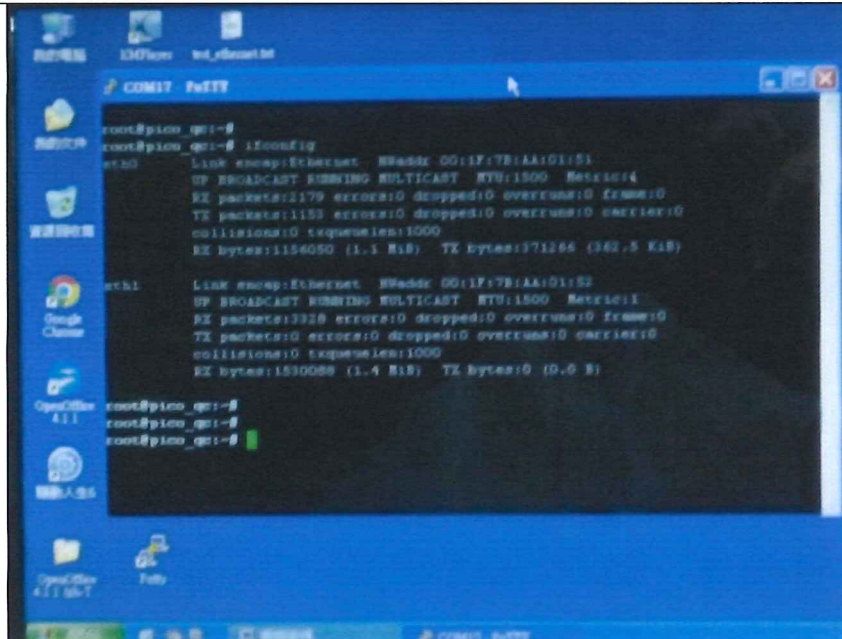
TESTING / INSPECTION REPORT

Testing photos

After test-3



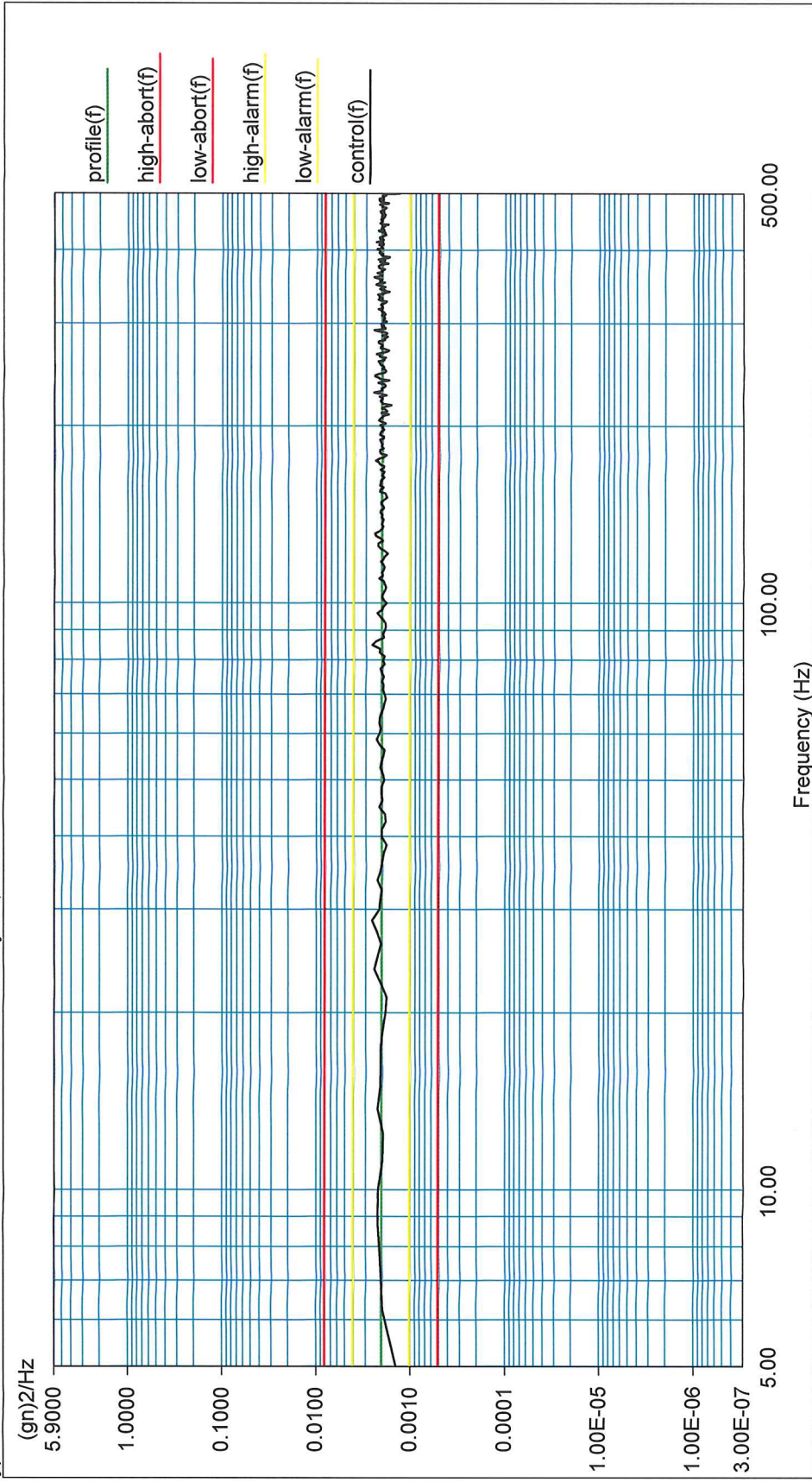
After test-4



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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

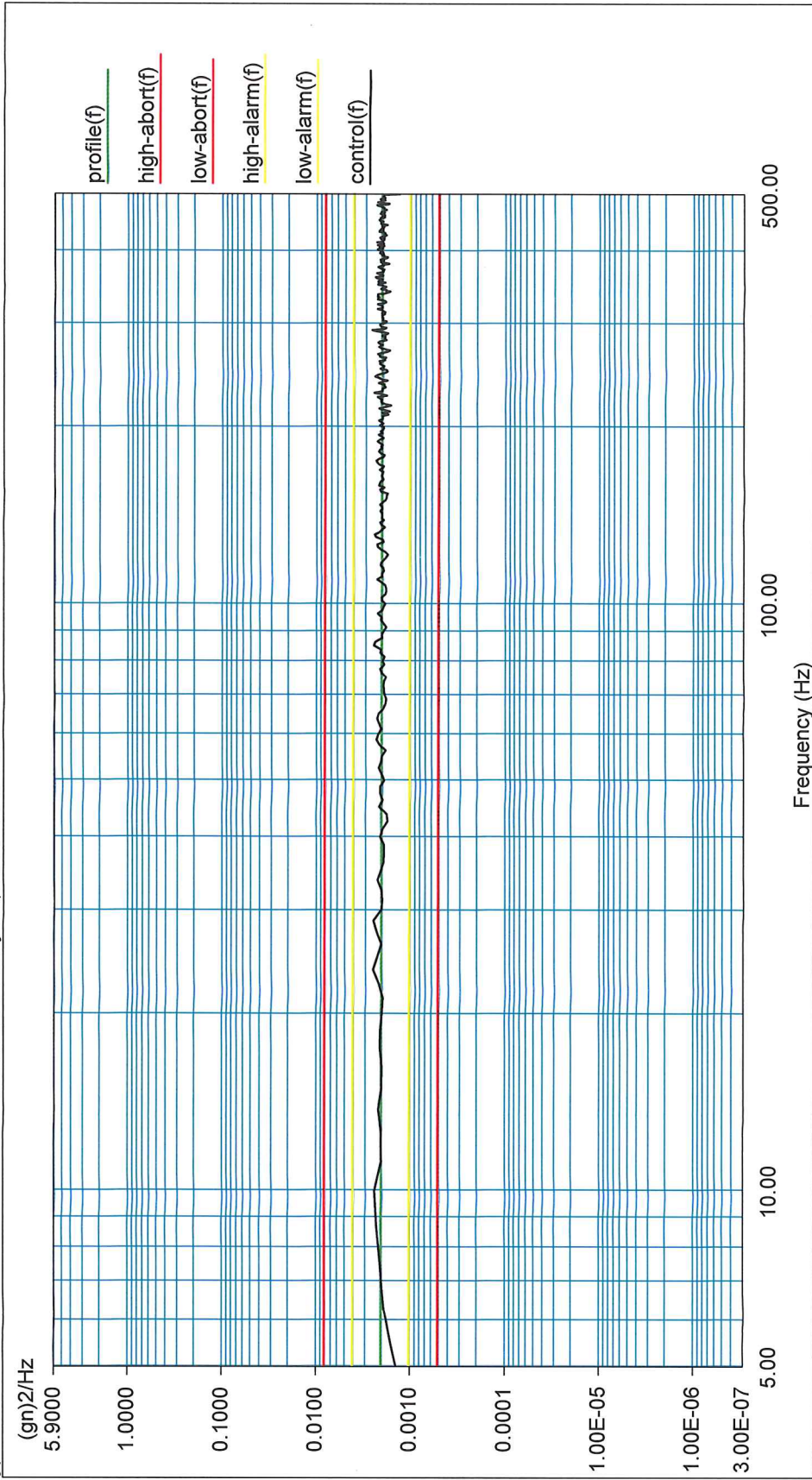
Remaining Time: 00:00:00

DOF: 154 dF: 1.250000 Hz



Y axis

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



Level: 100 %

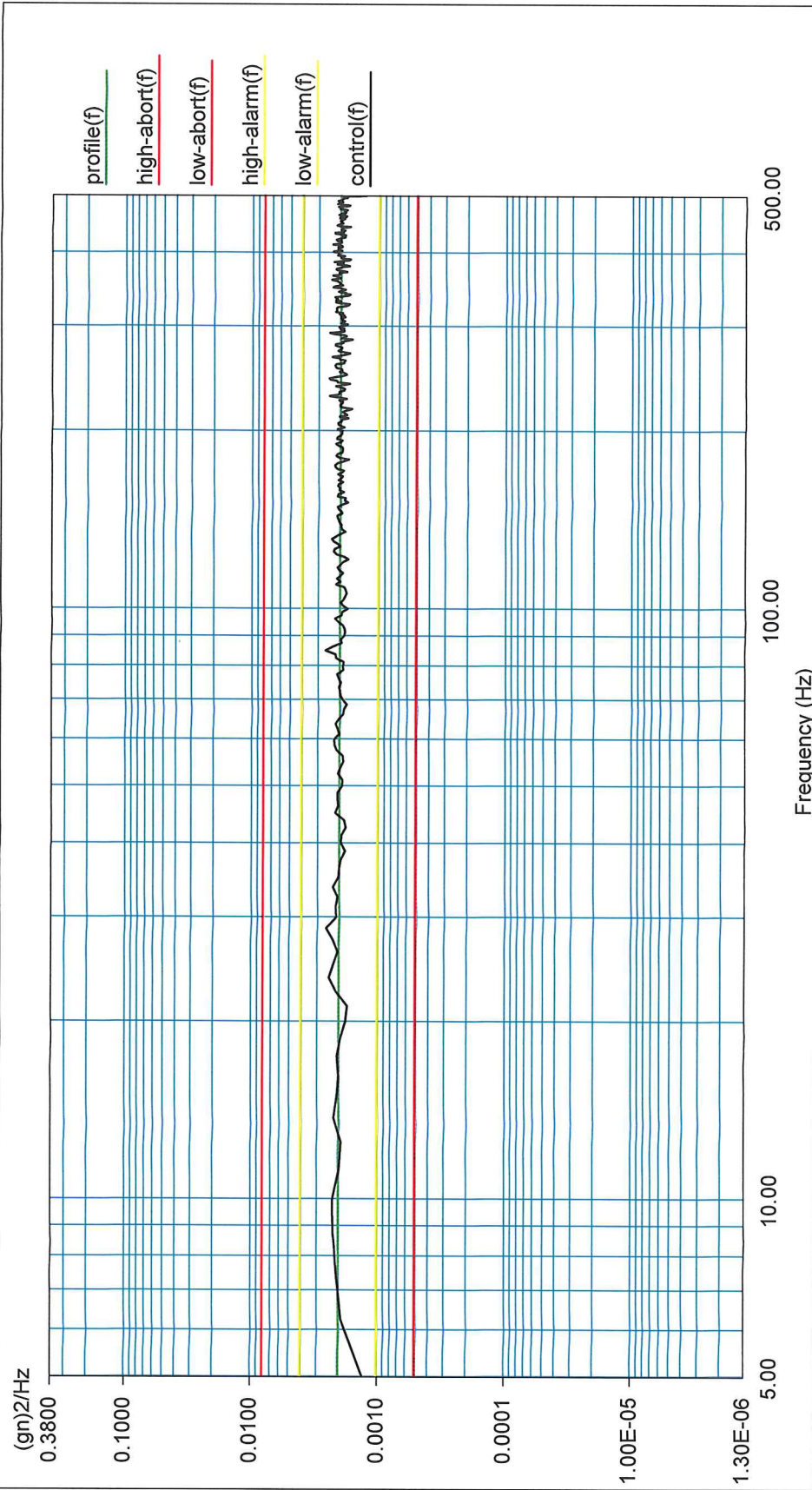
Control RMS: 1.002095 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

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



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-

