

TESTING / INSPECTION REPORT

REPORT NO : VT-090309-3

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SPECIMEN : RTC-840
DATE OF RECEIVED : 2009/03/04
DATE OF TESTED : 2009/03/04

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

Test Engineer :

Angus Wu

Approval Signatory :

David Lee

Laboratory Head :

Jason Shih



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TESTING EQUIPMENT :

- 1.Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054986
- 2.Controller : DACTRON FRONT-End Box, S/N:4529465
- 3.Control Accelerometer : B&K 4399, S/N:2158445

TEST ENVIRONMENT :

- Temperature : 22.4°C (25±10°C)
- Relative Humidity : 68.3% RH (60±20% RH)

SPECIMEN :

- Model : RTC-840
- Quantity : 1 piece

TEST SPECIFICATION :

Random vibration test

- Frequency : 1 Hz to 200 Hz
- Acceleration : 0.52 g rms
- P.S.D : 0.00005 g²/Hz (1Hz)
- : 0.01 g²/Hz (4Hz)
- : 0.01 g²/Hz (16Hz)
- : 0.001 g²/Hz (40Hz)
- : 0.001 g²/Hz (80Hz)
- : 0.00001 g²/Hz (200Hz)
- Test Axis : X, Y, Z axis
- Test Time : 1 hr 30 mins (Each axis)
- Total Test Time : 4 hr 30 mins

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TEST RESULT :

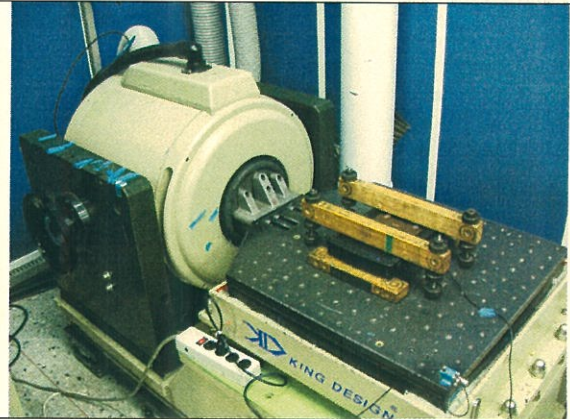
Describe	PASS	FAIL	Non-Judgment
Function judgment	√	— —	— —
Appearance check	√	— —	— —

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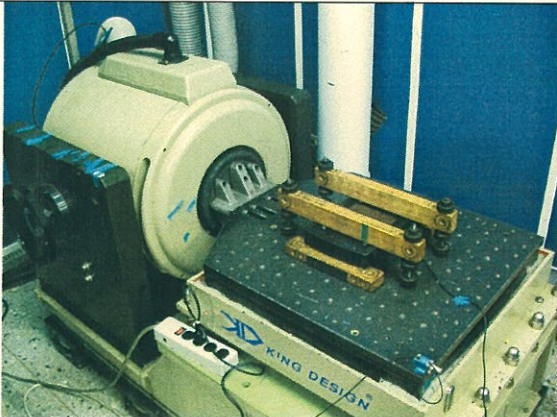
Testing photos



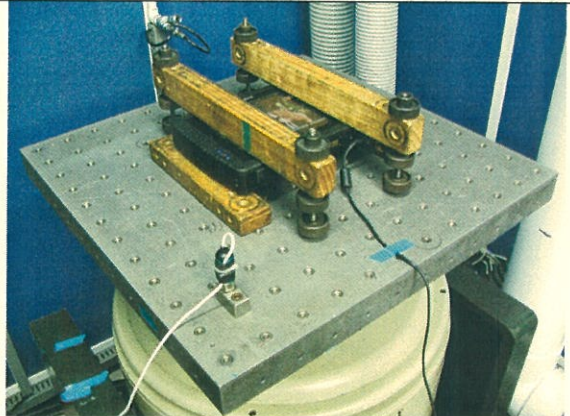
AXIS X



AXIS Y



AXIS Z



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Testing photos

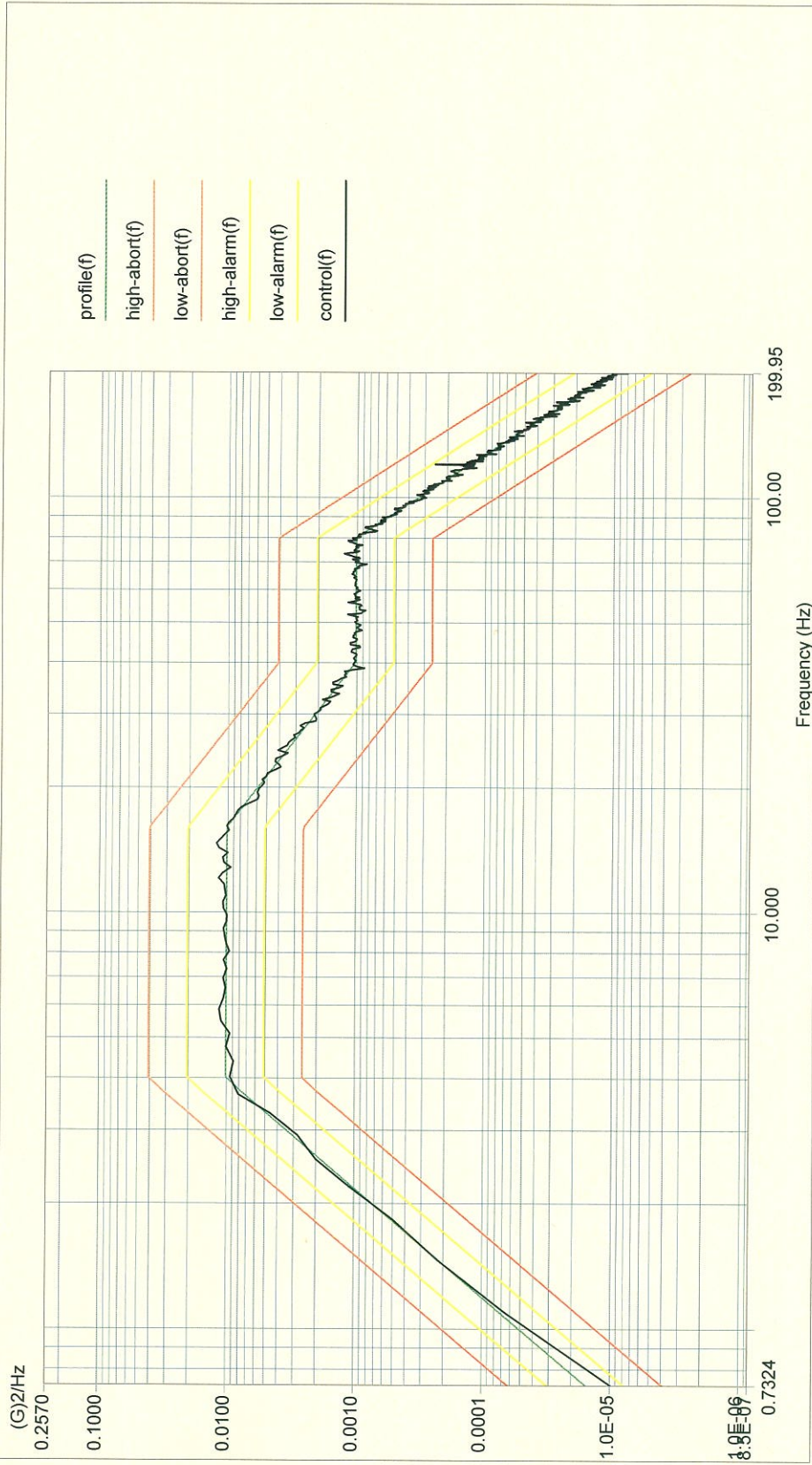
After test



Axis X

Project File Name: 研揚 1-200Hz 0.52 grms.prj

Profile Name: Nav-Mat Test Type: Random Run Folder: .\Run Mar 05,2009 03-03-56



Level: 100 %

Control RMS: 0.524700 G Full Level Elapsed Time: 01:29:58 Lines: 900 Frame Time: 2.730667 Seconds

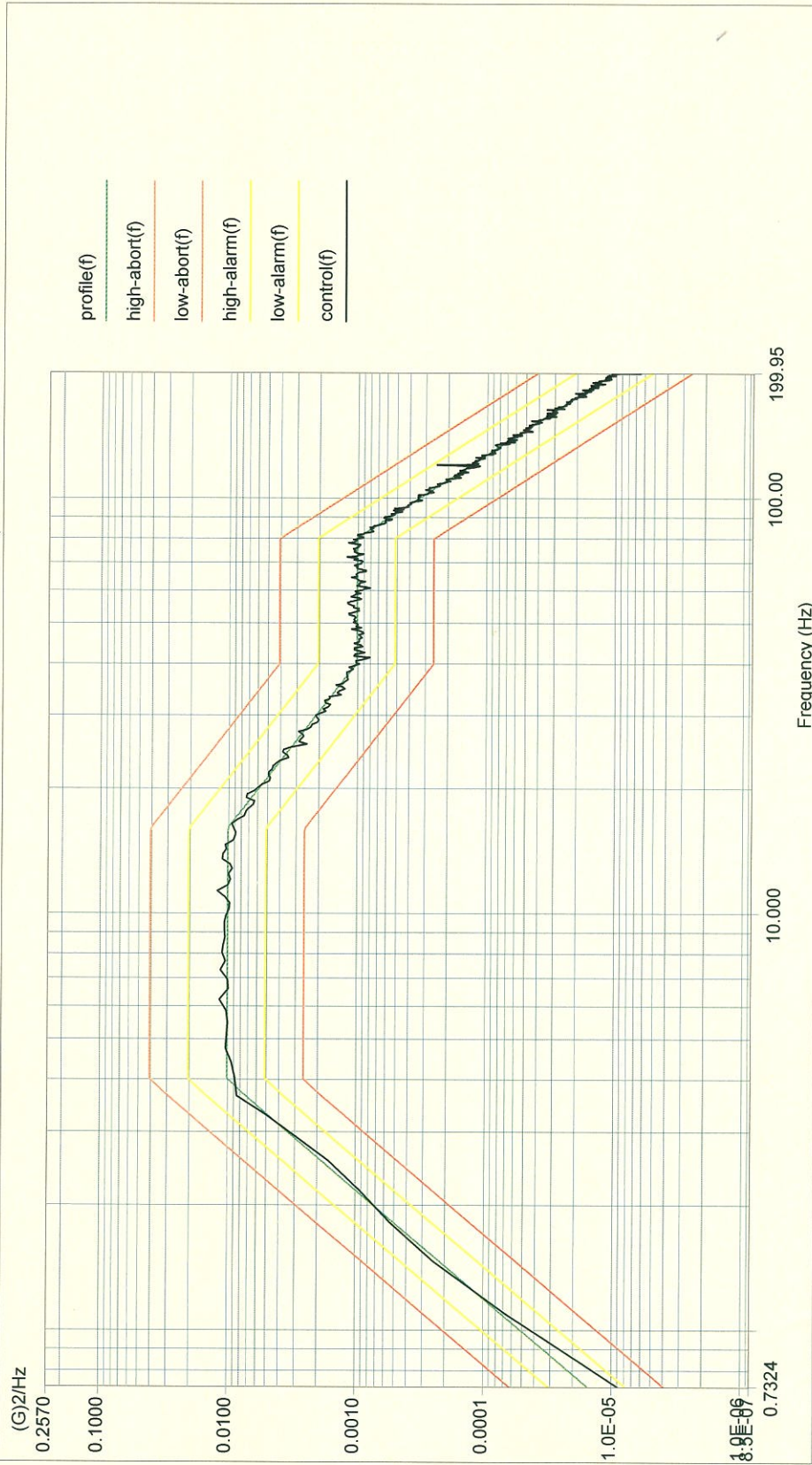
Demand RMS: 0.520982 G Remaining Time: 00:00:00 DOF: 154 dF: 0.366211 Hz

Data saved at 04:35:31 AM, Thursday, March 05, 2009 Report created at 04:35:32 AM, Thursday, March 5, 2009

Axis Y

Project File Name: 研揚 1-200Hz 0.52 grms.prj

Profile Name: Nav-Mat Test Type: Random Run Folder: .\Run Mar 05,2009 01-25-20



Level: 100 %

Control RMS: 0.521025 G Full Level Elapsed Time: 01:29:58 Lines: 900 Frame Time: 2.730667 Seconds

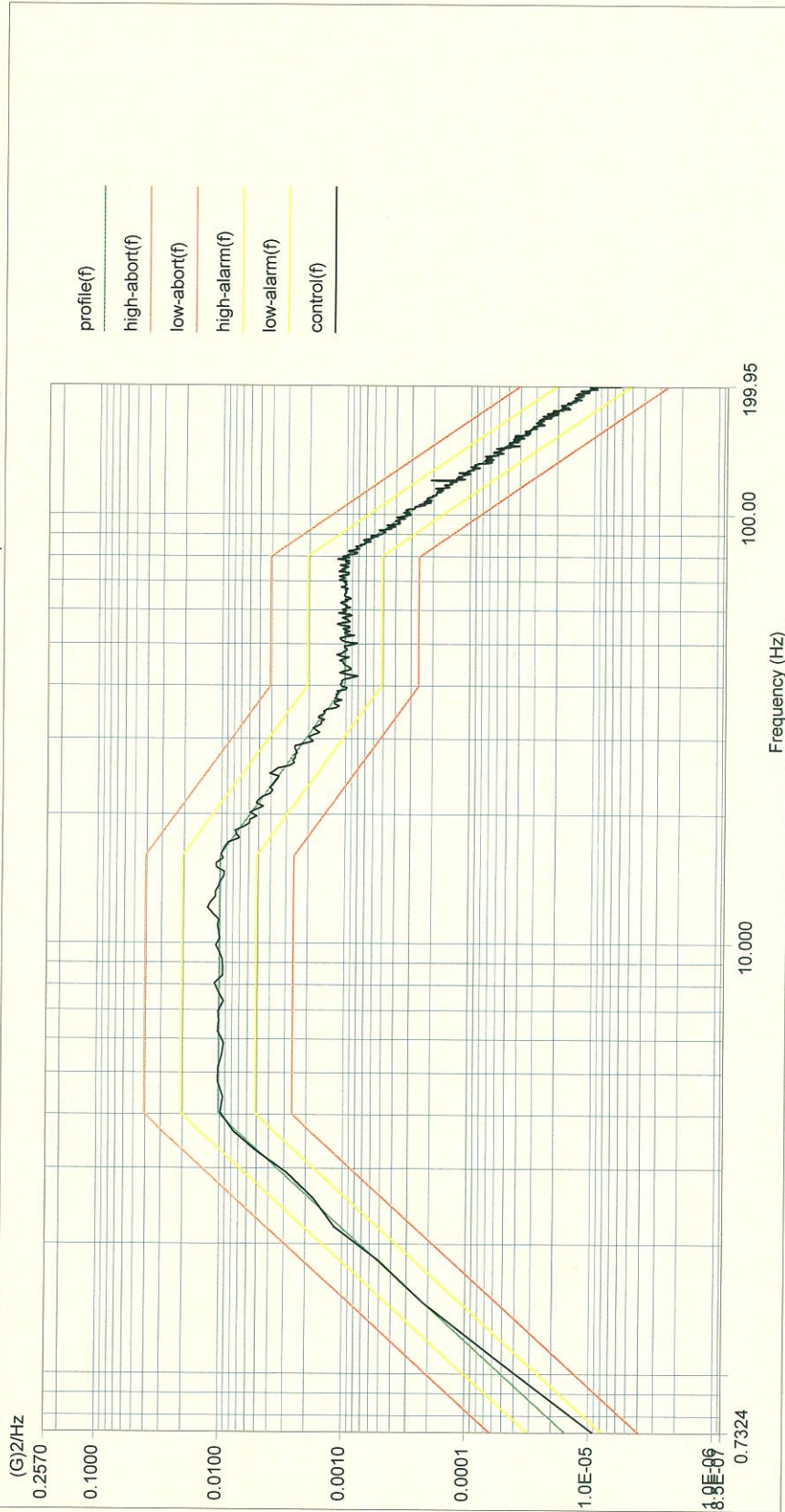
Demand RMS: 0.520982 G Remaining Time: 00:00:00 DOF: 154 dF: 0.366211 Hz

Data saved at 02:58:26 AM, Thursday, March 05, 2009 Report created at 02:58:26 AM, Thursday, March 5, 2009

Axis Z

Project File Name: 研揚 1-200Hz 0.52 grms.prj

Profile Name: Nav-Mat Test Type: Random Run Folder: .\Run Mar 04,2009 22-23-56



Level: 100 %

Control RMS: 0.521517 G Full Level Elapsed Time: 01:29:58 Lines: 900 Frame Time: 2.730667 Seconds

Demand RMS: 0.520982 G Remaining Time: 00:00:00 DOF: 154 dF: 0.366211 Hz

Data saved at 11:55:53 PM, Wednesday, March 04, 2009 Report created at 11:56:00 PM, Wednesday, March 4, 2009

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