

TESTING / INSPECTION REPORT

DATE : September 8, 2006
REPORT NO : VT-060913-2

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SPECIMEN : AEC-6710

TEST / INSPECTION ITEMS : Vibration Test (See Page 2)

REMARKS :

- The results only apply to the device under test.
- This report is 10 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling frequency spectrum of vibration test.

Test Engineer : <i>Gene Liao</i>	
Approved by : <i>David Lee</i>	Laboratory Head : <i>Chipping Chan</i>



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TESTING EQUIPMENT :

- 1.Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,
S/N : GUG02102091
- 2.Controller : DACTRON FRONT-End Box, S/N:7459933
- 3.Control Accelerometer : Wilcoxon Research WR-777, S/N:4207

TEST ENVIRONMENT :

- Temperature : $20 \pm 2^{\circ}\text{C}$
- Humidity : $70 \pm 20\% \text{ RH}$

SPECIMEN :

- Model : AEC-6710
- Quantity : 1 piece

VIBRATION TEST SPECIFICATION :

(1)Random vibration test (Operation)

- Frequency : 5~500 Hz
- Acceleration : 5 g rms
- Test Axis : X, Y, Z axis
- Test Time : 1 hr (Each axis)
- Total Test Time : 3 hrs

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VIBRATION TEST SPECIFICATION :

(2)Random vibration test (Operation)

Frequency : 10~500 Hz
 Acceleration : 1.04 g rms (X axis), 0.204 g rms (Y axis),
 0.74 g rms (Z axis)
 Test Axis : X, Y, Z axis
 Test Time : 1 hr (Each axis)
 Total Test Time : 3 hrs

Vertical		Transverse		Longitudinal	
Hz	g ² /Hz	Hz	g ² /Hz	Hz	g ² /Hz
10	0.01500	10	0.00013	10	0.00650
40	0.01500	20	0.00065	20	0.00650
500	0.00015	30	0.00065	120	0.00020
1.04 g rms		78	0.00002	121	0.00300
		79	0.00019	200	0.00300
		120	0.00019	240	0.00150
		500	0.00001	340	0.00003
		0.204 g rms		500	0.00015
				0.740 g rms	

TEST RESULT :

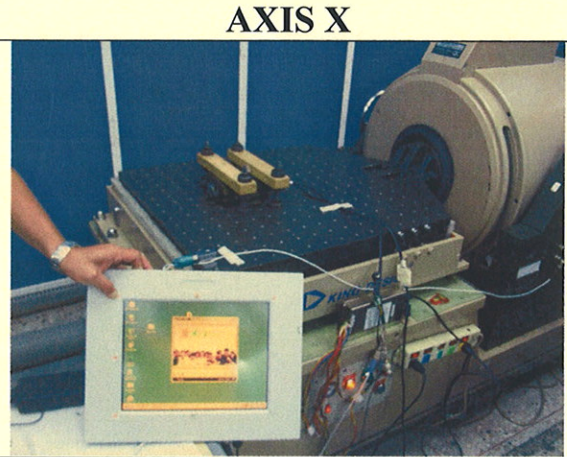
Describe	PASS	FAIL	Non-Judgment ⁽¹⁾
Function judgment	---	---	√
Appearance check	---	---	√
(1)--This test report record object test procedure and environment, not including test result.			

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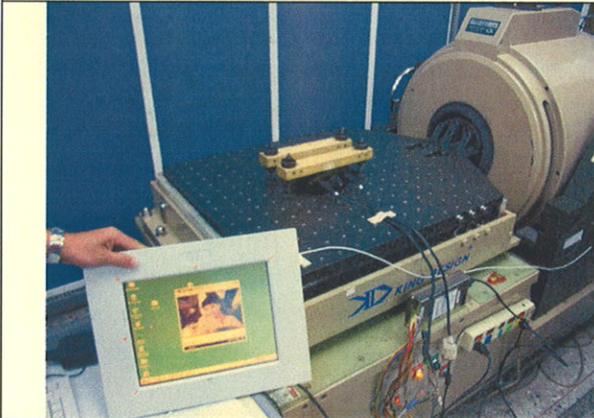
Testing photos



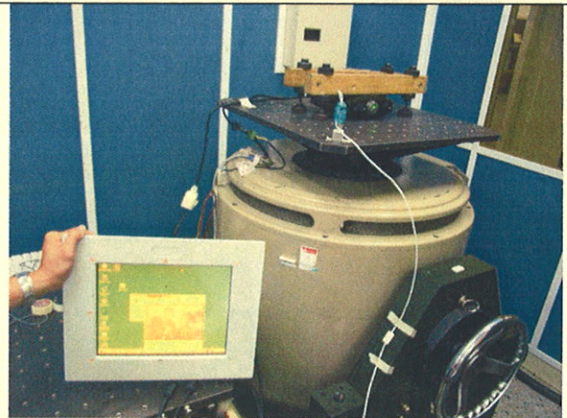
AXIS Y



AXIS X



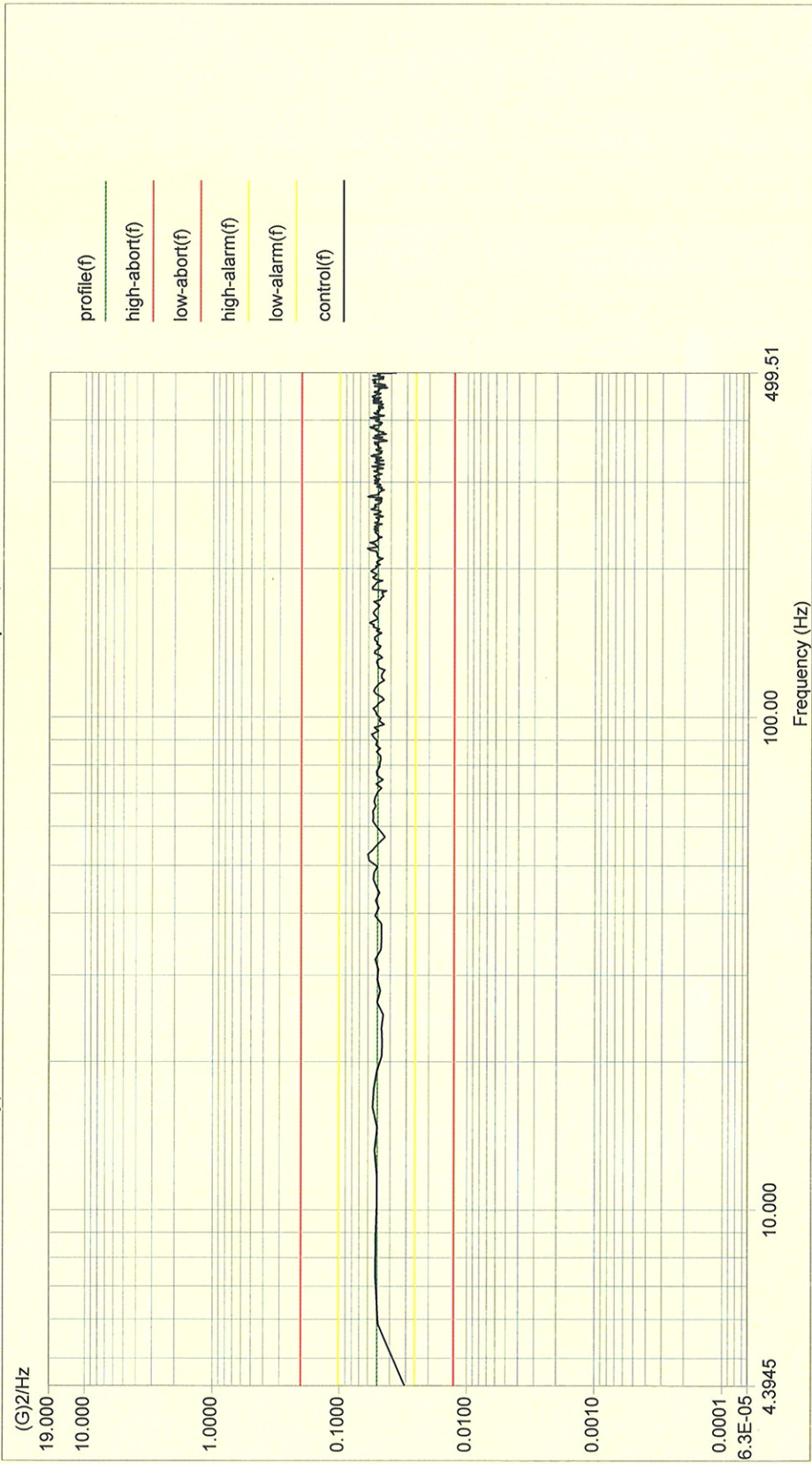
AXIS Z



Axis X

Project File Name: 研揚 5-500 Hz 5g rms

Profile Name: Test Type: Random Run Folder: .\Run Sep 07, 2006 11-54-29



Level: 100 %

Control RMS: 5.015855 G Full Level Elapsed Time: 00:59:55 Lines: 450 Frame Time: 0.682667 Seconds

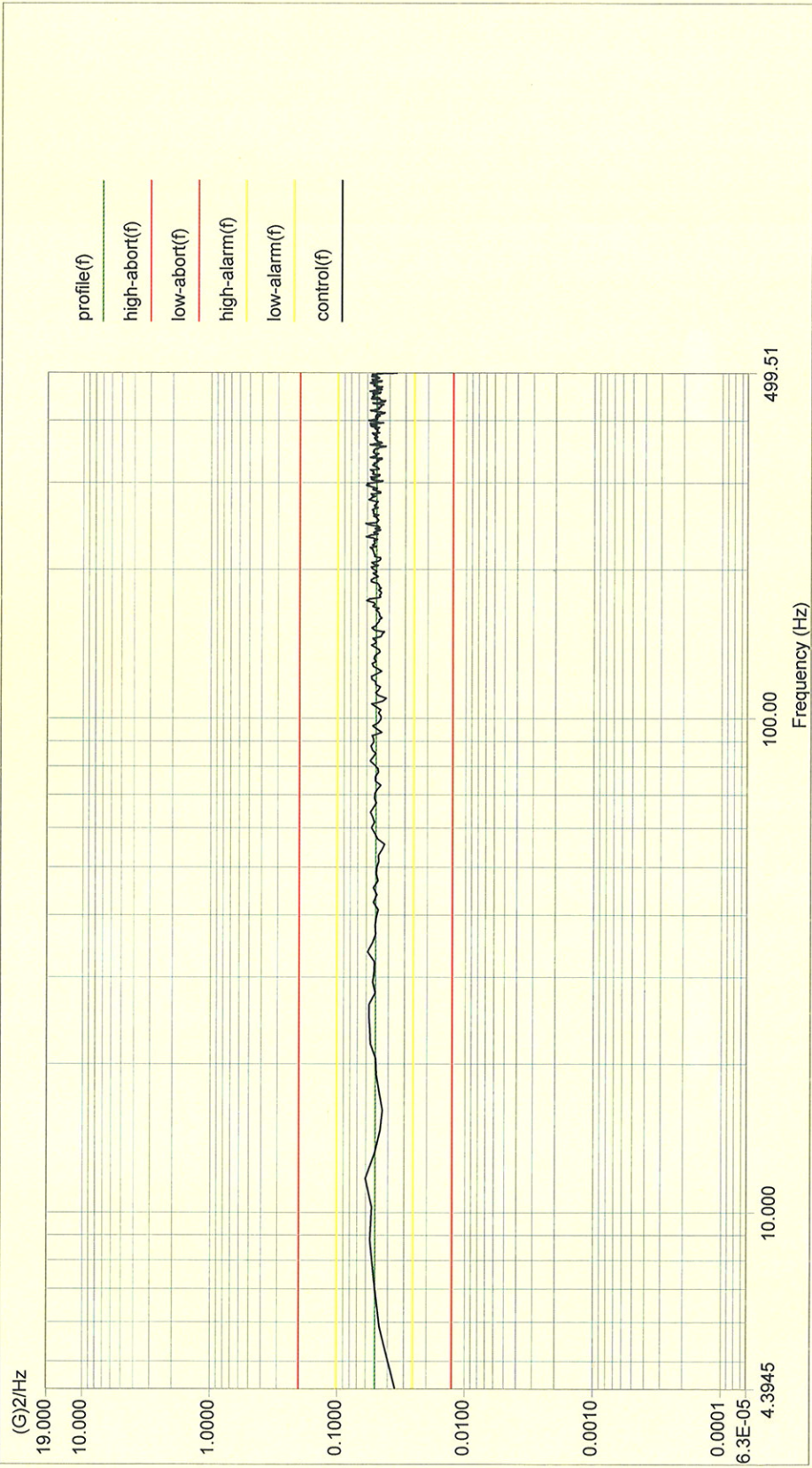
Demand RMS: 5.004086 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 01:58:00 PM, Thursday, September 07, 2006 Report created at 01:58:11 PM, Thursday, September 7, 2006

Axis Y

Project File Name: 研場 5-500 Hz 5g rms.prj

Profile Name: Test Type: Random Run Folder: .\Run Sep 07, 2006 14-15-18



Level: 100 %

Control RMS: 5.022136 G Full Level Elapsed Time: 00:59:57 Lines: 450 Frame Time: 0.682667 Seconds

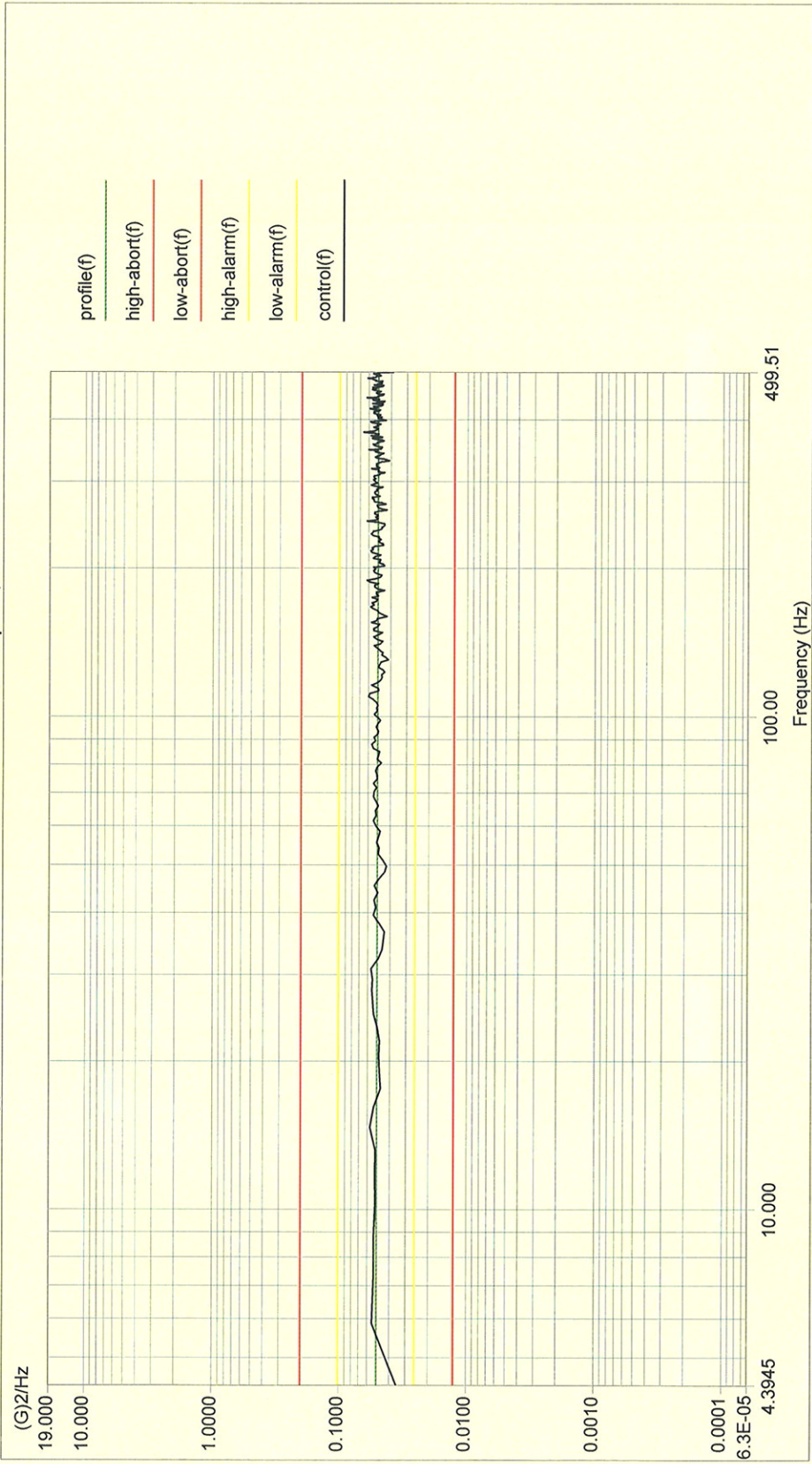
Demand RMS: 5.004086 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 03:17:00 PM, Thursday, September 07, 2006 Report created at 03:17:01 PM, Thursday, September 7, 2006

Axis Z

Project File Name: 研場 5-500 Hz 5g rms.prj

Profile Name: Test Type: Random Run Folder: .\Run Sep 07, 2006 15-50-58



Level: 100 %

Control RMS: 5.066997 G Full Level Elapsed Time: 00:59:57 Lines: 450 Frame Time: 0.682667 Seconds

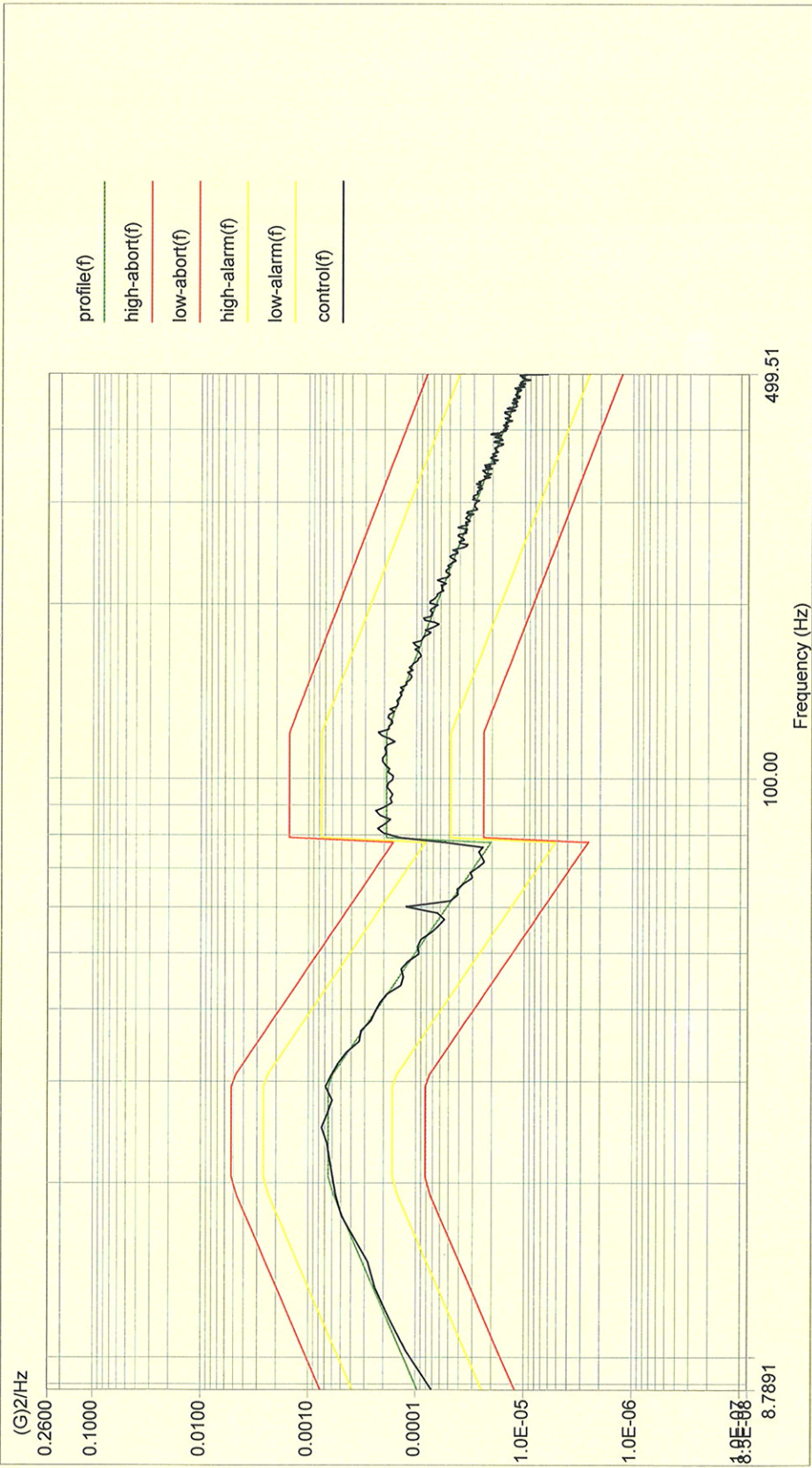
Demand RMS: 5.004086 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 04:55:02 PM, Thursday, September 07, 2006 Report created at 04:55:03 PM, Thursday, September 7, 2006

Axis X

Project File Name: 研揚 10-500 Hz 0.204g rms.prj

Profile Name: Test Type: Random Run Folder: .\Run Sep 08, 2006 09:58:59



Level: 100 %

Control RMS: 0.203704 G Full Level Elapsed Time: 00:59:59 Lines: 450 Frame Time: 0.682667 Seconds

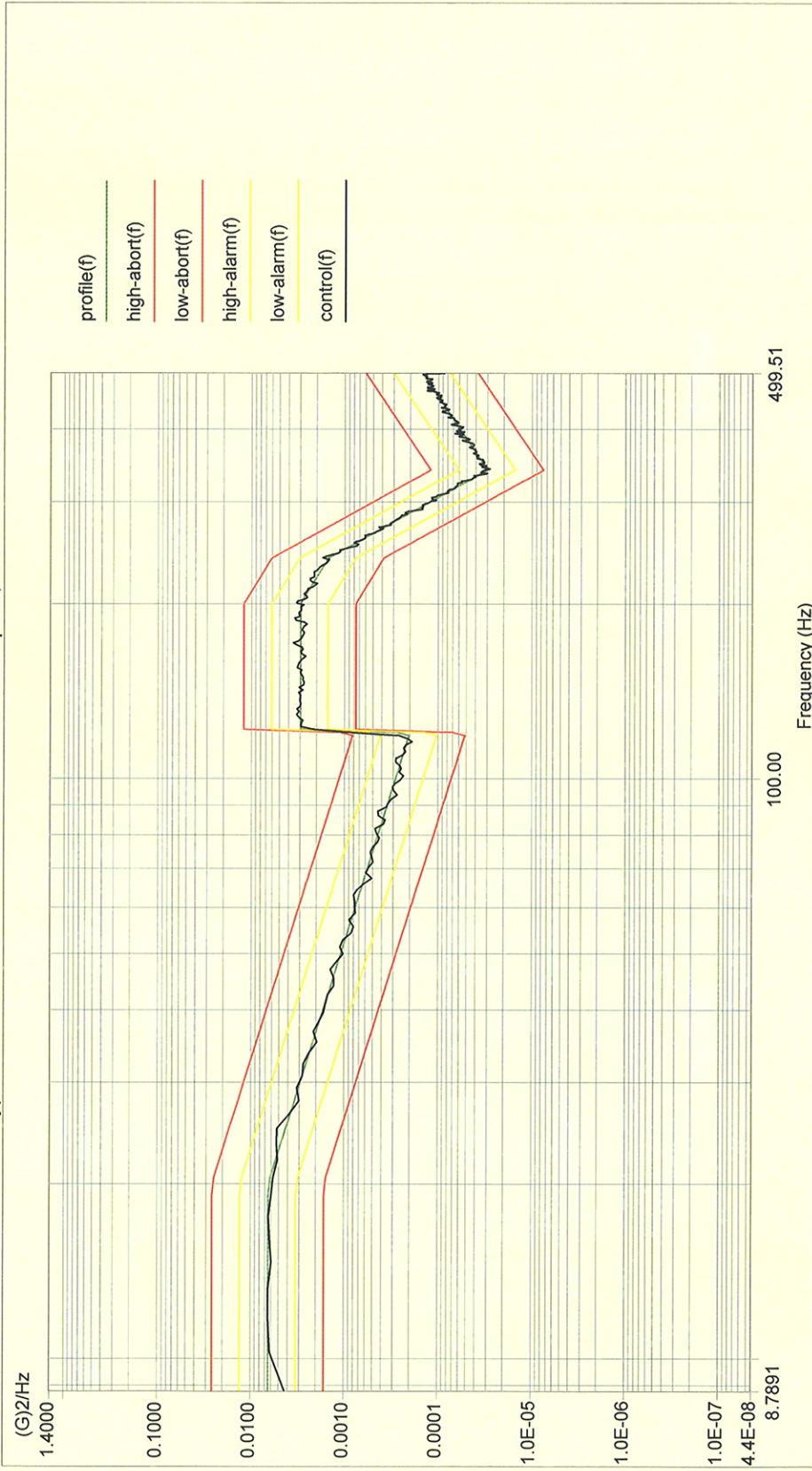
Demand RMS: 0.203649 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 10:59:39 AM, Friday, September 08, 2006 Report created at 10:59:40 AM, Friday, September 8, 2006

Axis Y

Project File Name: 研揚 10-500Hz 0.740grms.prj

Profile Name: Test Type: Random Run Folder: .\Run Sep 08,2006 11-10-20



Level: 100 %

Control RMS: 0.742147 G Full Level Elapsed Time: 00:59:57 Lines: 450 Frame Time: 0.682667 Seconds

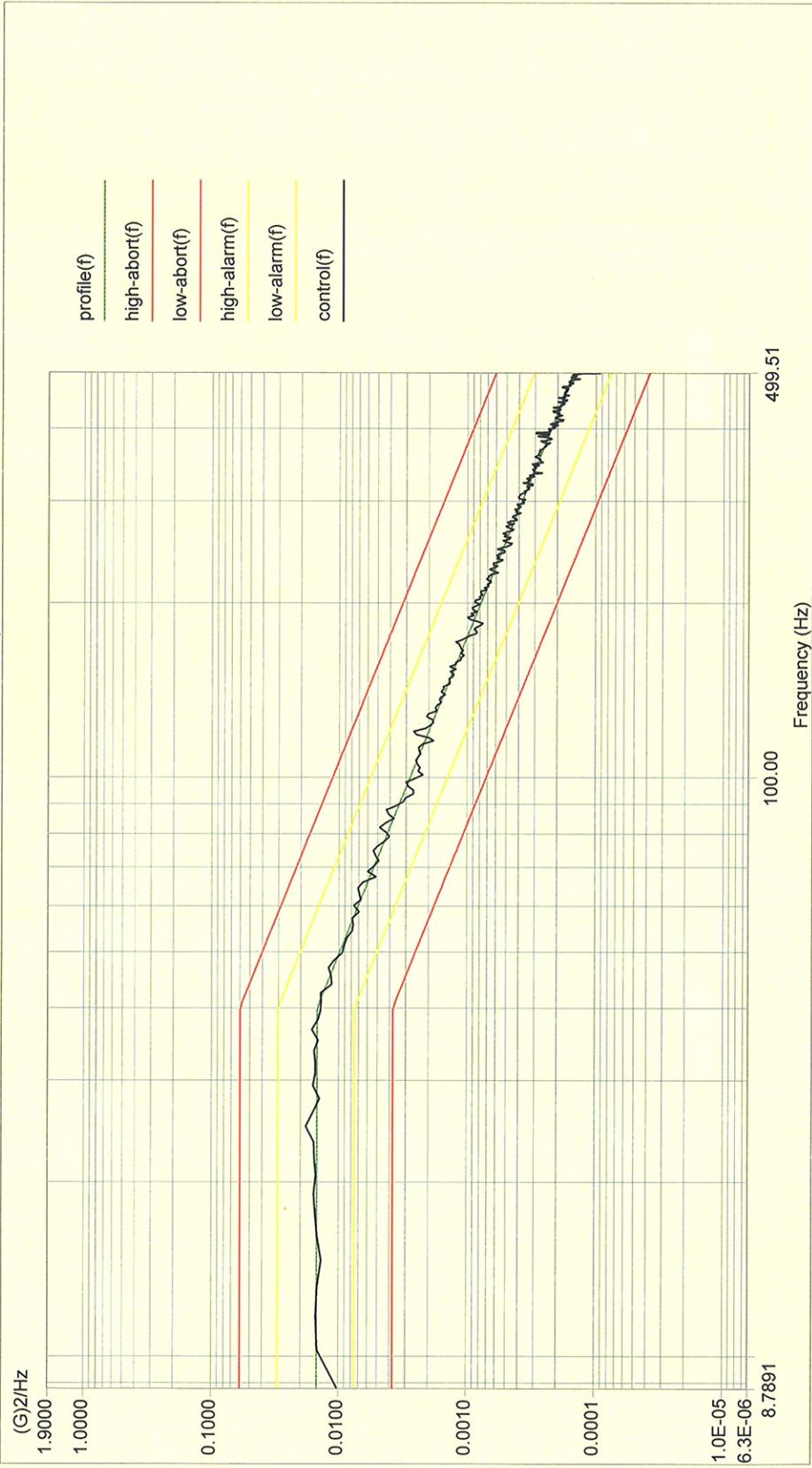
Demand RMS: 0.743901 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 12:10:45 PM, Friday, September 08, 2006 Report created at 12:10:46 PM, Friday, September 8, 2006

Axis Z

Project File Name: 研揚 10-500Hz 1.04 grms

Profile Name: Test Type: Random Run Folder: .\Run Sep 07, 2006 17-05-24



Level: 100 %

Control RMS: 1.054057 G Full Level Elapsed Time: 00:59:59 Lines: 450 Frame Time: 0.682667 Seconds

Demand RMS: 1.049469 G Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 06:06:14 PM, Thursday, September 07, 2006 Report created at 06:06:15 PM, Thursday, September 7, 2006