

## TESTING / INSPECTION REPORT

DATE : July 29, 2004  
REPORT NO : VT-040729-3

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SPECIMEN : AEC-6820

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

REMARKS :

- The results only apply to the device under test.
- This report is 7 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling frequency spectrum of vibration test.

Test Engineer : <i>Ben Huang</i>	
Approved by : <i>2004.7.30 David Lee</i>	Laboratory Head : <i>Dennis Ting</i>



## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT:

- |                          |  |
|--------------------------|--|
| 1. Vibration Tester      | : KING DESIGN (KD-9363-600F2K-50N120,<br>S/N: KDS11054783) |
| 2. Controller            | : DACTRON (FRONT-End Box, S/N: 4529465)                    |
| 3. Control Accelerometer | : Wilcoxon Research (WR-777, S/N:3425)                     |

### TEST ENVIRONMENT :

- |             |             |
|-------------|-------------|
| Temperature | : 24±2°C    |
| Humidity    | : 70±20% RH |

### SPECIMEN :

- |          |                      |
|----------|----------------------|
| Model    | : AEC-6820           |
| Quantity | : Each model 1 piece |

### VIBRATION TEST SPECIFICATION :

- Random vibration test
- |                 |                    |
|-----------------|--------------------|
| Frequency       | : 5~500 Hz         |
| Accelerate      | : 6 g rms          |
| Test Axis       | : X, Y, Z axis     |
| Test Time       | : 1 hr (Each axis) |
| Total Test Time | : 3 hrs            |

### TEST RESULT :

- |                  |             |
|------------------|-------------|
| Appearance check | : No damage |
| Function check   | : Normal    |

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### Testing photos

#### AXIS X



#### AXIS Y



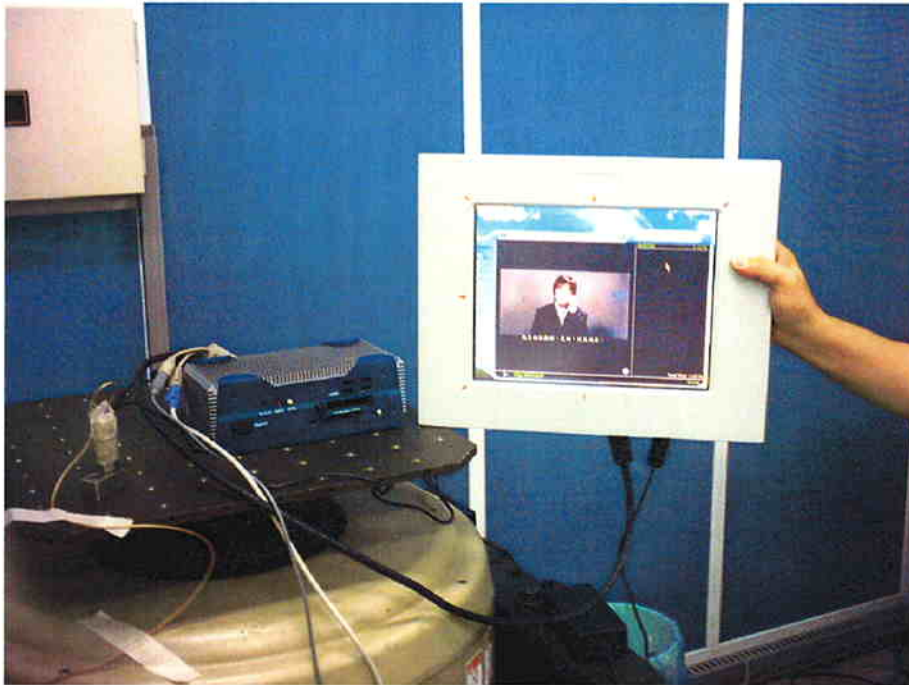
#### AXIS Z



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### Testing photos

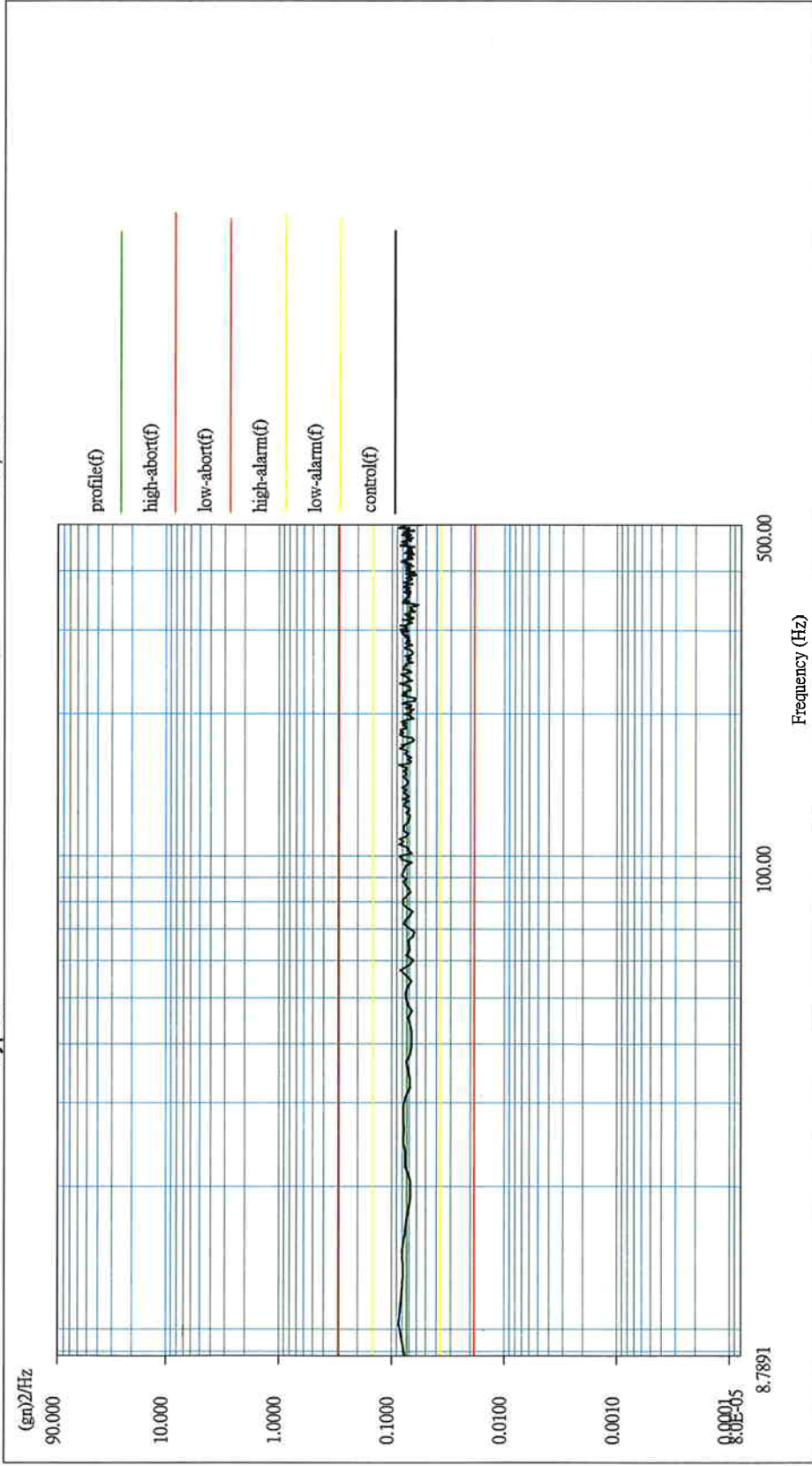
#### After test



Axis X

Project File Name: 研揚 5~500Hz 6g rms.prj

Profile Name: AEC-6820 Test Type: Random Run Folder: .\RunDefault Jul 28,2004 13-10-11



Level: 100 %

Control RMS: 6.030688 gn Full Level Elapsed Time: 00:59:58 Lines: 450 Frame Time: 0.682667 Seconds

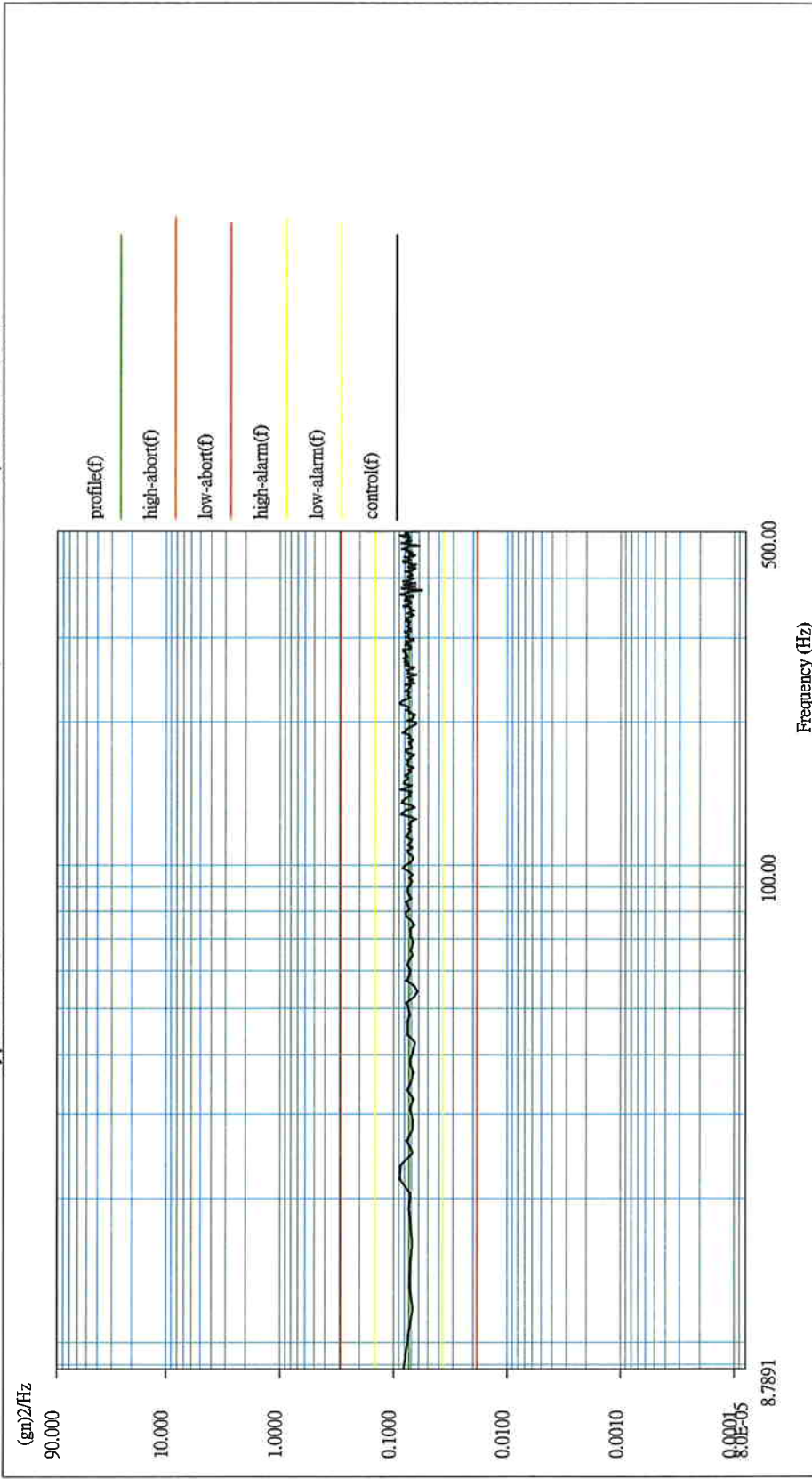
Demand RMS: 6.005329 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 02:11:23 PM, Wednesday, July 28, 2004 Report created at 02:11:25 PM, Wednesday, July 28, 2004

Axis Y

Project File Name: 研揚 5~500Hz 6g rms.prj

Profile Name: AEC-6820 Test Type: Random Run Folder: .\RunDefault Jul 28,2004 11-15-15



Level: 100 %

Control RMS: 6.069969 gn Full Level Elapsed Time: 00:59:59 Lines: 450 Frame Time: 0.682667 Seconds

Demand RMS: 6.005329 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

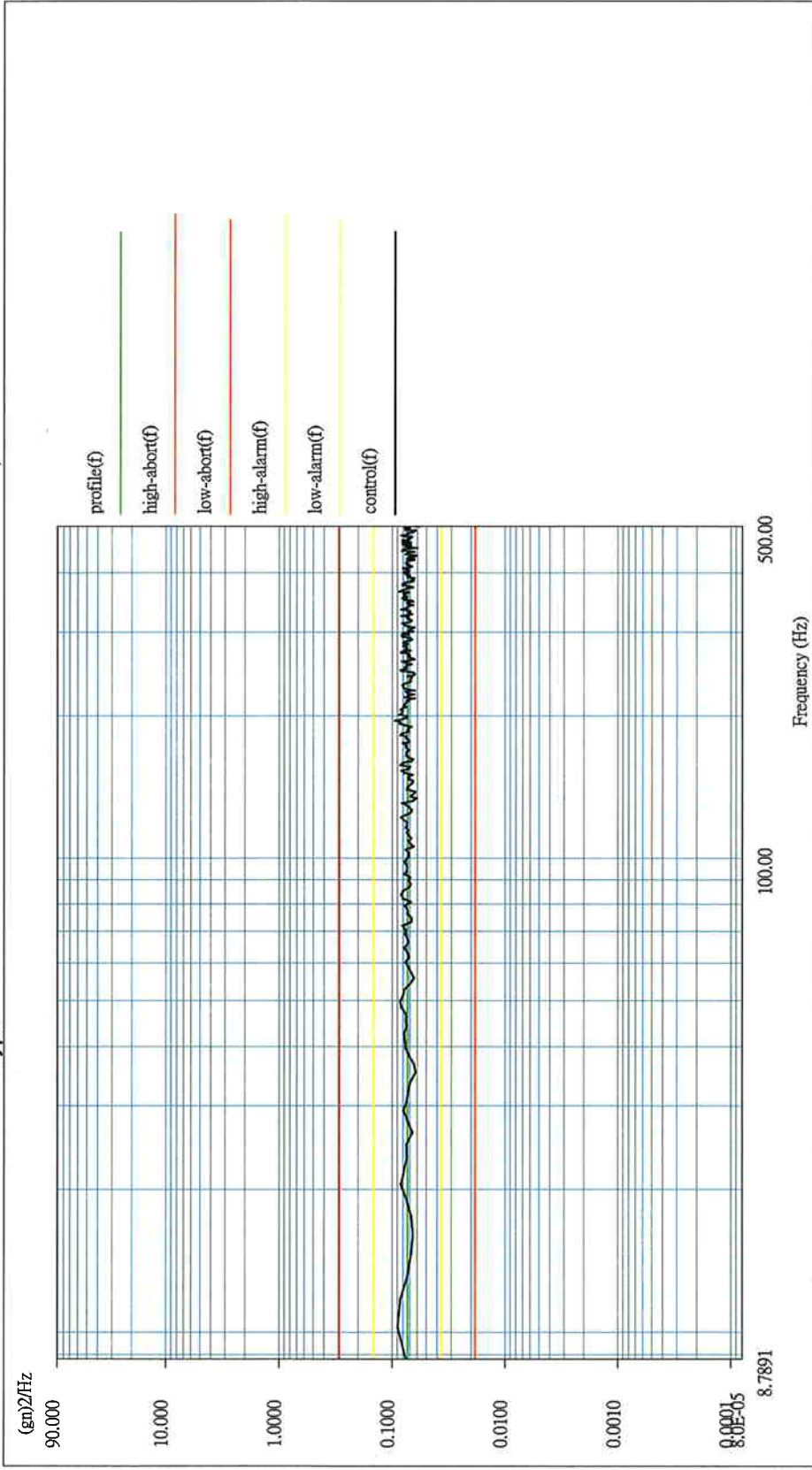
Data saved at 12:16:01 PM, Wednesday, July 28, 2004 Report created at 12:16:01 PM, Wednesday, July 28, 2004



Axis Z

Project File Name: 研揚 5~500Hz 6g rms.prj

Profile Name: AEC-6820 Test Type: Random Run Folder: .\RunDefault Jul 28,2004 10-08-52



Level: 100 %

Control RMS: 6.046949 gn Full Level Elapsed Time: 00:59:59 Lines: 450 Frame Time: 0.682667 Seconds

Demand RMS: 6.005329 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.464844 Hz

Data saved at 11:09:35 AM, Wednesday, July 28, 2004 Report created at 11:09:43 AM, Wednesday, July 28, 2004