



KING DESIGN INDUSTRIAL CO., LTD.
5F, NO. 3, LANE 94, TSAO TI WEI, SHEN KENG
HSIANG, TAIPEI HSIEN, TAIWAN, R.O.C.

Reliability & Communication Testing Instruments

http://www.instrument.com.tw
E-mail: kingdsgn@ms8.hinet.net
TEL: 886-2-662-5100 FAX: 886-2-662-3094



0424

TESTING / INSPECTION REPORT

DATE : October 26, 1998

REPORT NO : VT-981026-2

COMPANY : AAEON TECHNOLOGY INC.

5F, No.135, Lane 235, Pao Chiao Rd.,
Hsin Tien City, Taipei, Taiwan, R. O. C.
TEL:886-2-8919-1234
FAX:886-2-8919-1049

SPECIMEN : MOTHERBOARD

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

REMARKS :

- The results only apply to the device under test.
- This report is 14 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling frequency spectrum of vibration test.

Test Engineer : <i>Chi Ding Allen</i>	
Approved by : <i>Allen Liu</i>	Laboratory Head : <i>Dave Lee</i>

TELECOMS / VIBRATION / SHOCK INSTRUMENTS



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TESTING EQUIPMENT:

- | | |
|--|---|
| 1. Vibration Tester : KING DESIGN | (KD-9363-600F2K-50N120,
S/N:KDS11054783) |
| 2. Controller : Data Physics | (DP-540-03C, S/N:DP1326) |
| 3. Accelerometer Power Supply : | (KD-ACC-01PS, S/N:J001) |
| 4. Control Accelerometer : Wilcoxon Research | (WR-777, S/N:3425) |

TEST ENVIRONMENT:

Temperature : $25 \pm 2^{\circ}\text{C}$
 Humidity : $55 \pm 20\% \text{ RH}$

SPECIMEN :

Model : PCB 5894/5892
 Quantity : 1 piece

VIBRATION TEST SPECIFICATION:

(1) Random vibration test

Frequency : 10--500 Hz
 Acceleration : 1 Grms / 1.5 Grms / 2 Grms
 Test Axis : X, Y, Z axis / Z axis / Z axis
 Test Time : 30 min (Each axis)
 Total Test Time : 2 hrs 30 min

(2) Sine vibration test

Frequency : 80 Hz (DWELL)
 Acceleration : 2 G / 3 G / 4 G / 5 G
 Test Axis : Z axis
 Test Time : 15 min (Each axis)
 Total Test Time : 60 min



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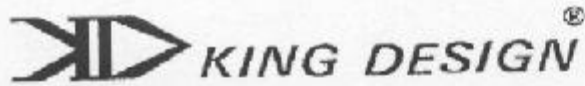
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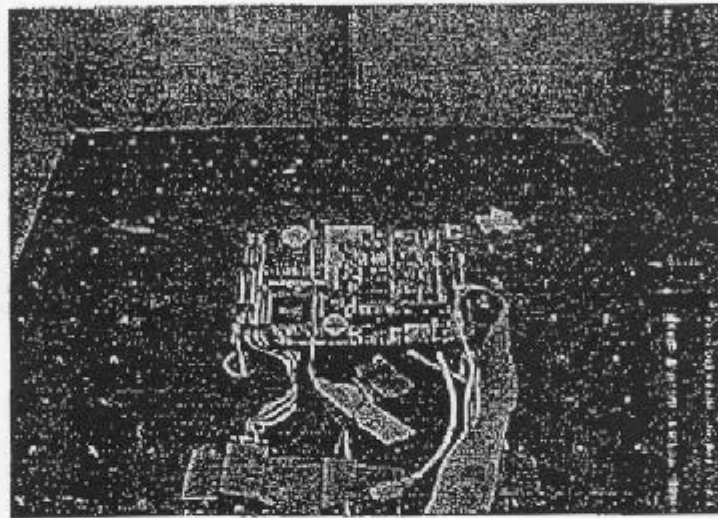
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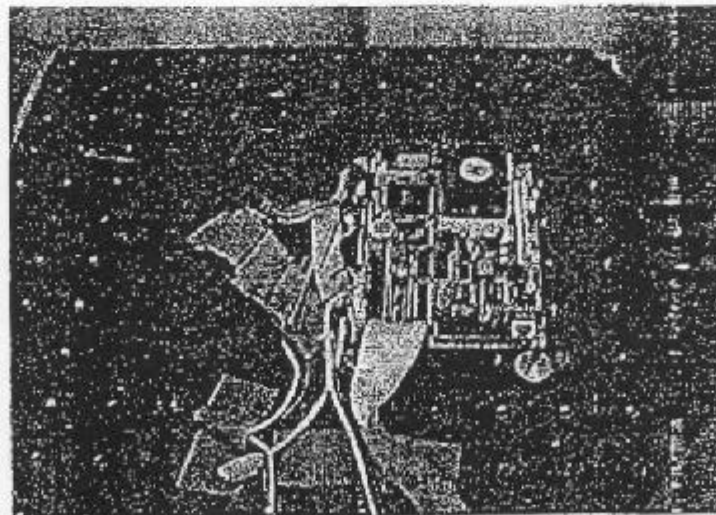


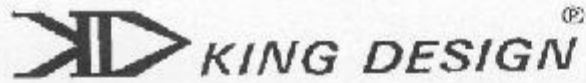
TESTING / INSPECTION REPORT

Testing photos Axis X



Axis Y





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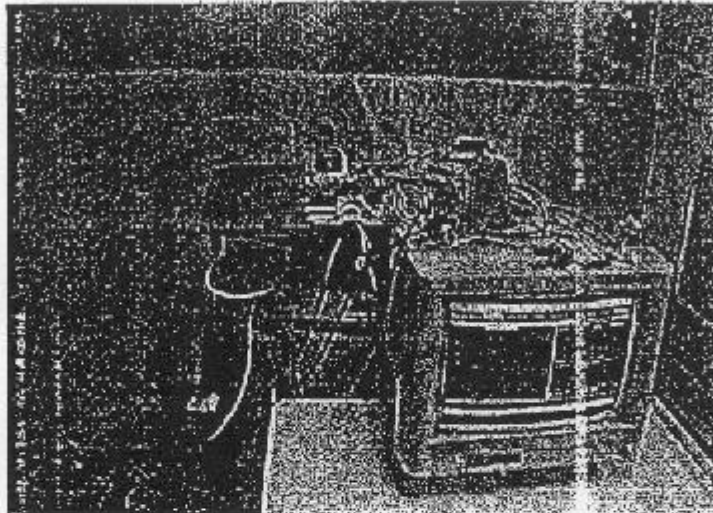
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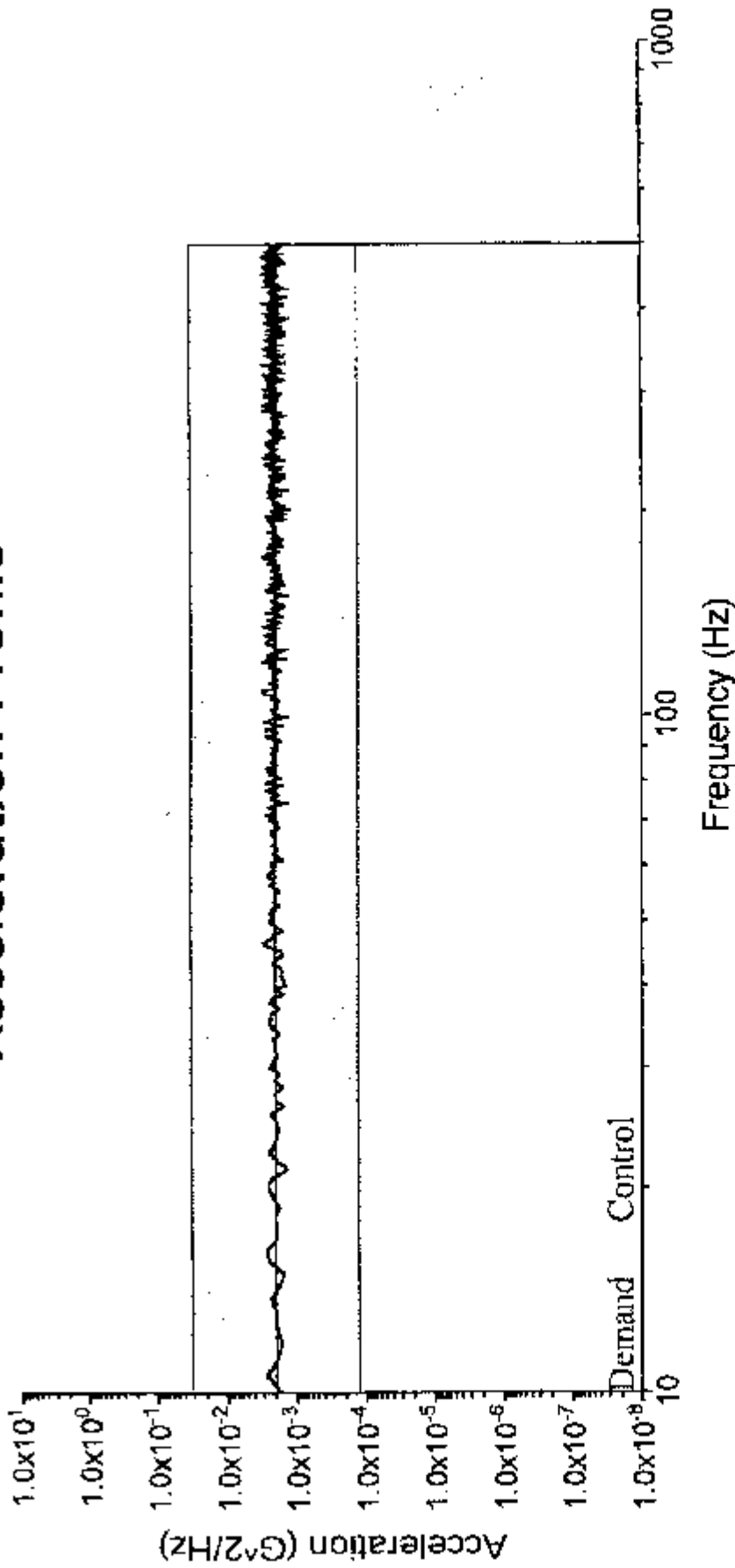
0424

TESTING / INSPECTION REPORT

Testing photos
Axis Z

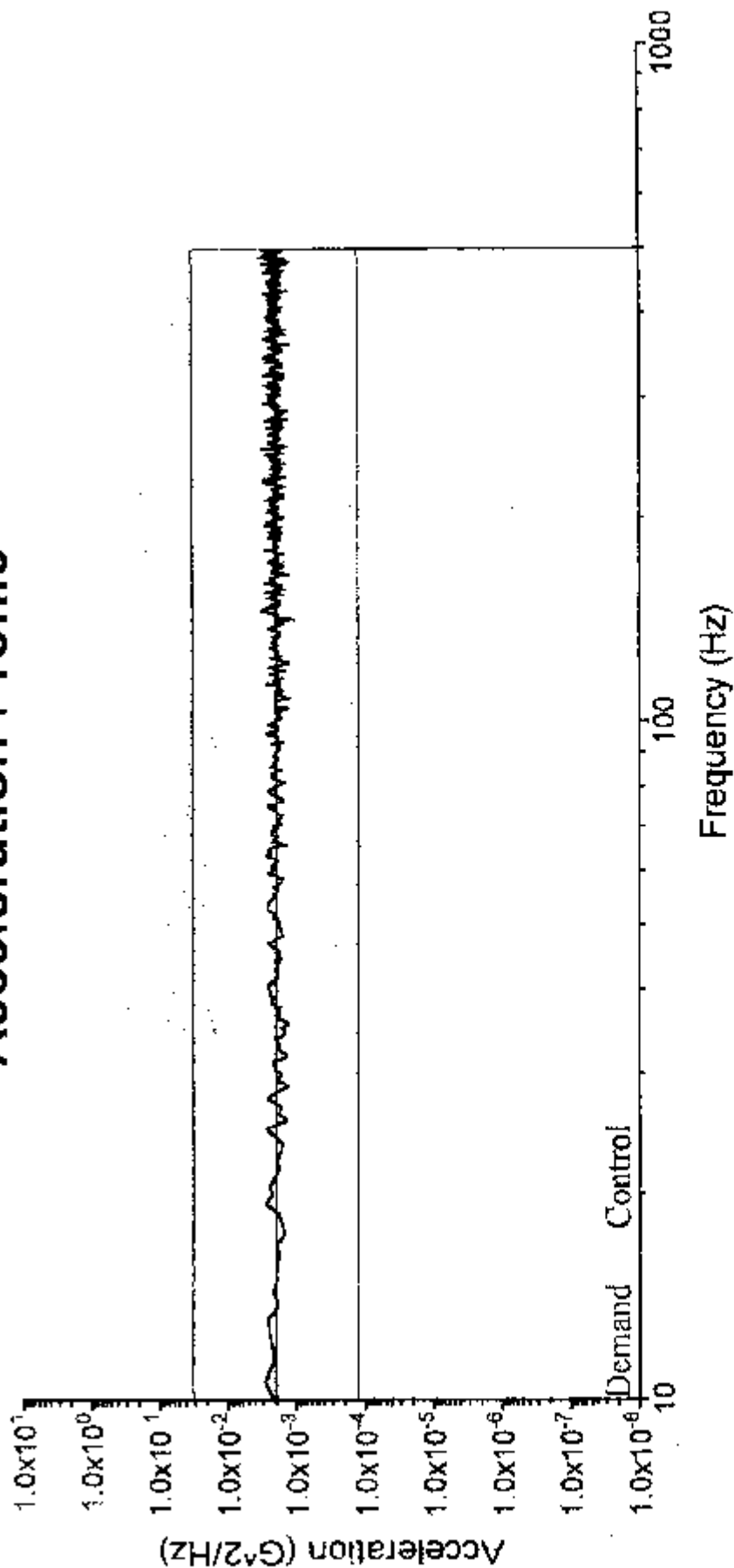


Acceleration Profile



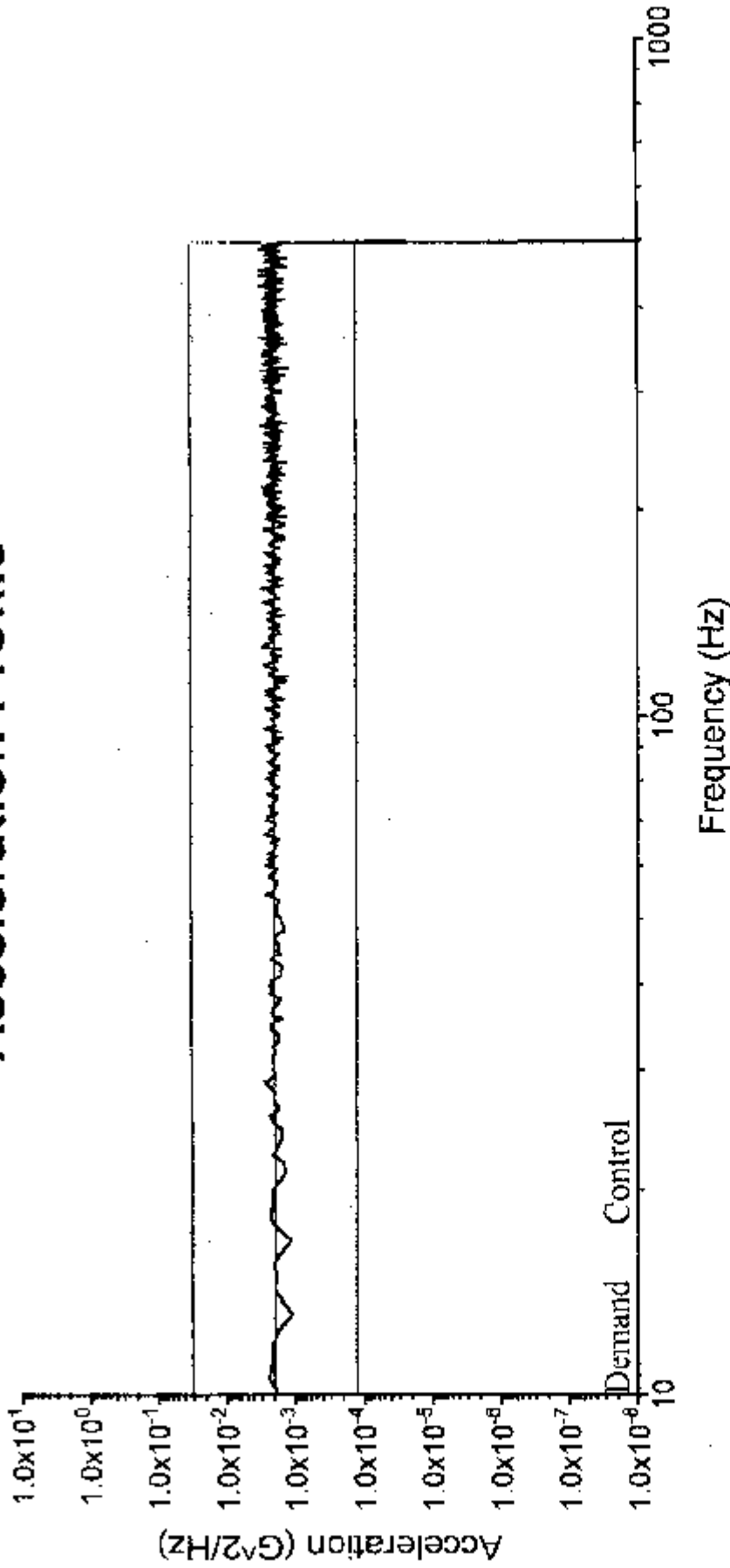
Level Time: 00:30:00	Output V RMS: 0.205	Random Test
Total Time: 000:32:08	Level Number: 3	KING DESIGN
Control: 0.0069	Oct 02, 1998 13:59:09	End of Test
		legends in these lines

Acceleration Profile



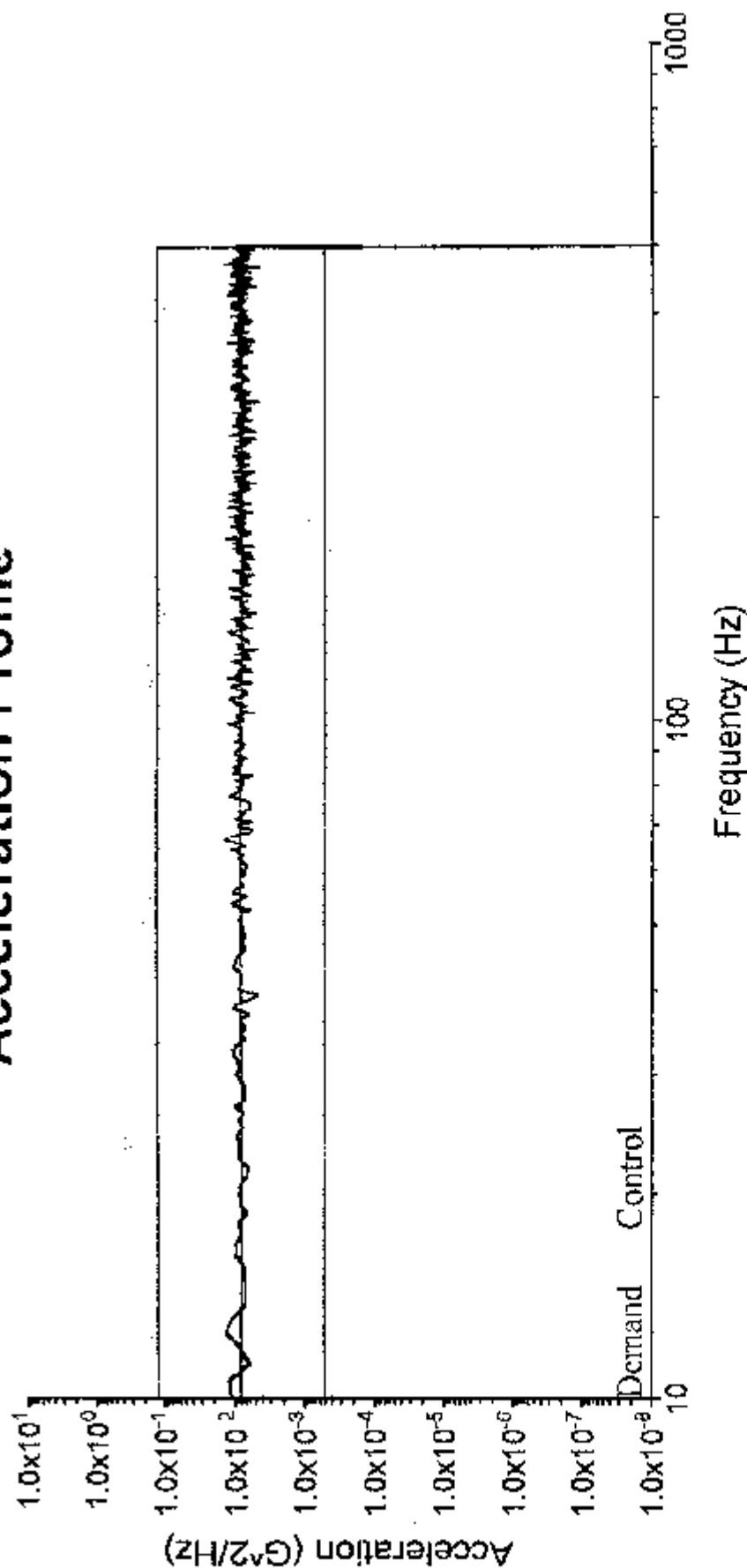
Level Time: 00:30:00	Output V RMS: 0.000	Random Test
Total Time: 000:31:42	Level Number: 3	KING DESIGN
Control: 0.0056	Oct 02, 1998 13:04:21	End of Test
		legends in these lines

Acceleration Profile



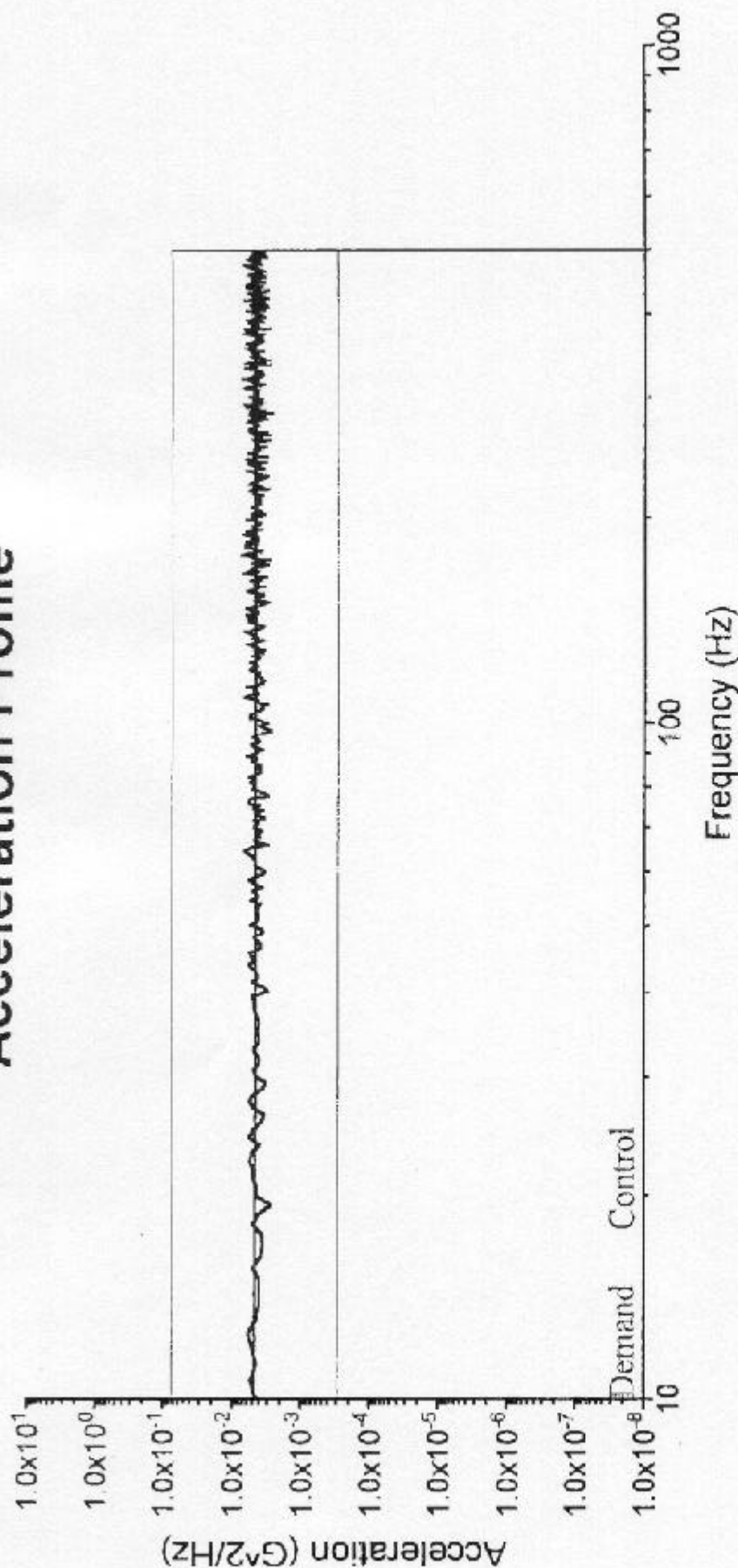
Demand: 0.9900	Level Time: 00:30:00	Output V RMS: 0.000	Random Test
Control: 0.0061	Total Time: 000:31:55	Level Number: 3	KING DESIGN
	Oct 02, 1998 15:09:43	End of Test	legends in these lines

Acceleration Profile



Level Time: 00:30:00	Output V RMS: 0.054	Random Test
Demand: 2.0045	Total Time: 000:32:05	Level Number: 3
Control: 0.0185	Oct 02, 1998 16:44:45	End of Test
		legends in these lines

Acceleration Profile

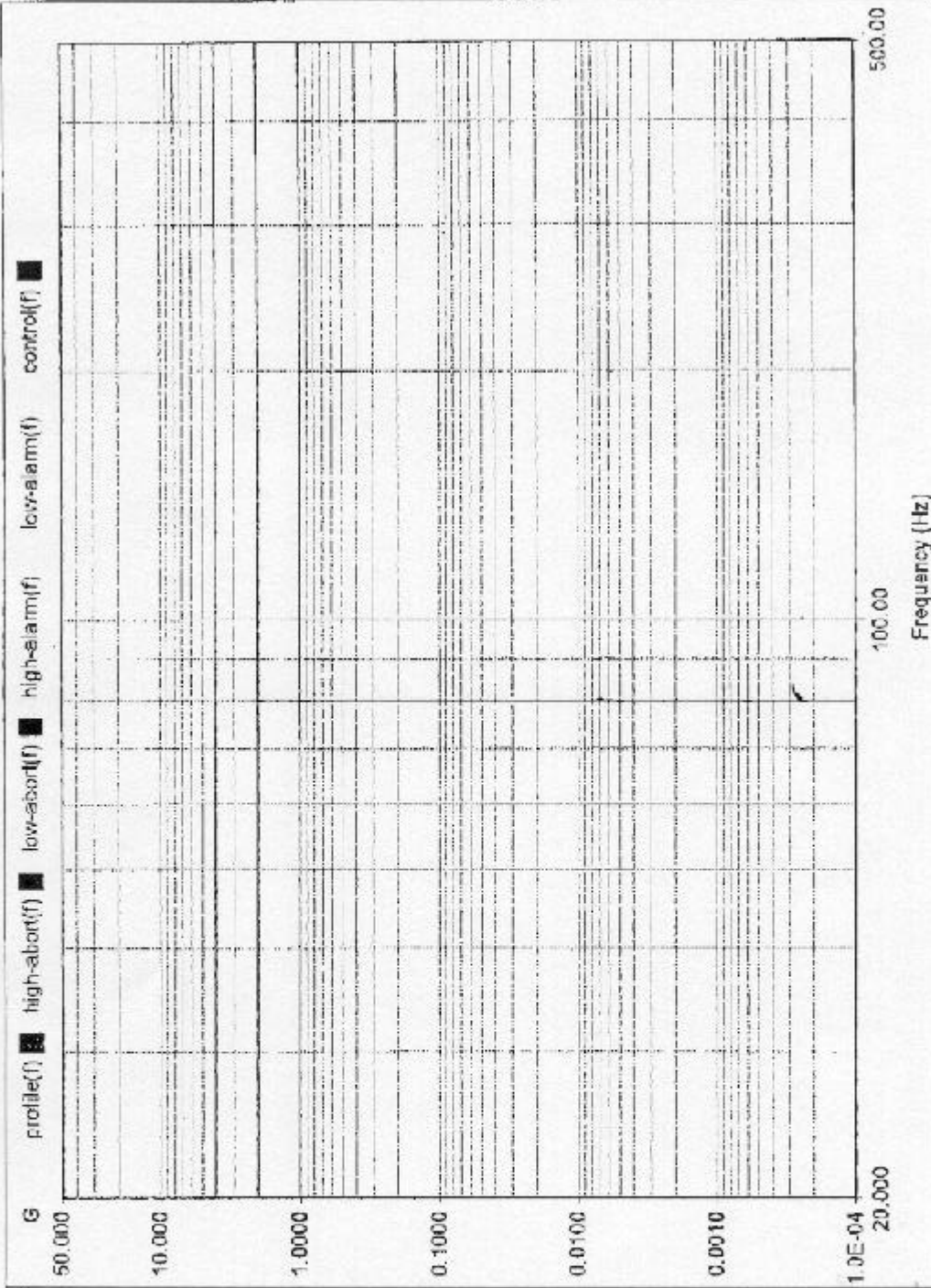


Level Time: 00:30:00	Output V RMS: 0.024	Random Test
Demand: 1.5013	Total Time: 000:32:06	Level Number: 3
Control: 0.0174	Oct 02, 1998 16:11:29	End of Test
		legends in these lines

Plot Header: 共振時留

Project File Name: 研機註留 871002.prj

Profile Name: 5.0G Test Type: Swept Sine Run Folder: ARan Oct 02, 1998 16:46-27



Level: 100 % Control Peak: 2.000000 G Full Level Time: 00:14:59 Sweep Type: Logarithmic
Frequency: 60.0 Hz Demand Peak: 2.000000 G Time Remaining: 00:00:00 Sweep Rate: 1 Oct/Min

Data saved at 05:01:34 PM, Friday, October 02, 1998 Report created at 05:01:47 PM, Friday, October 2, 1998

Plot Header: 共振駐留

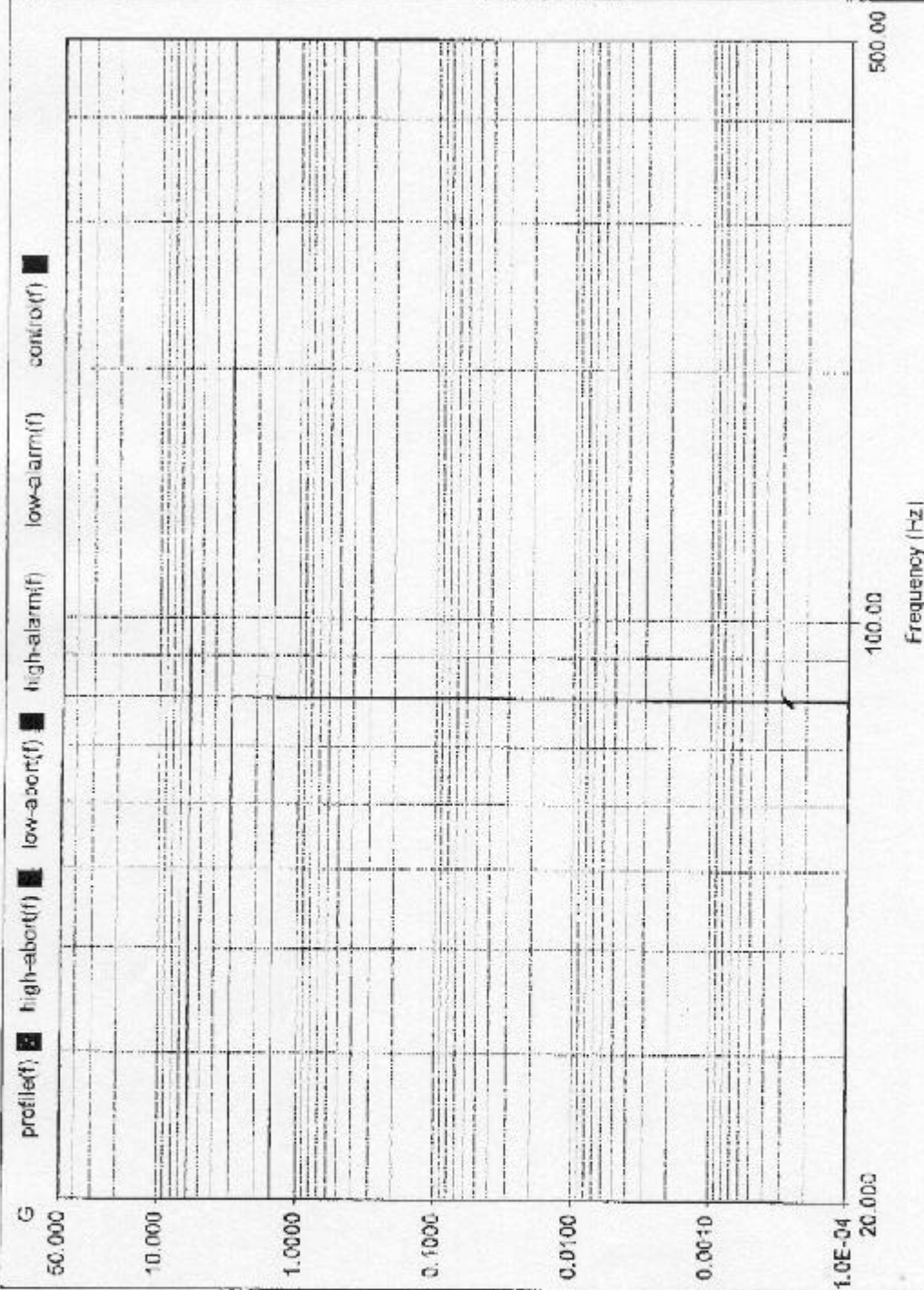
Project File Name: 共振駐留 871002.prj

Profile Name: 5.0G

Test Type: Swept Sine

Run Folder:

Run Oct 02, 1998 17:04:07



Level 100 %

Control Peak: 3.000000 G Full Level Time: 00:15:00

Sweep Type: Logarithmic

Frequency: 80.0 Hz

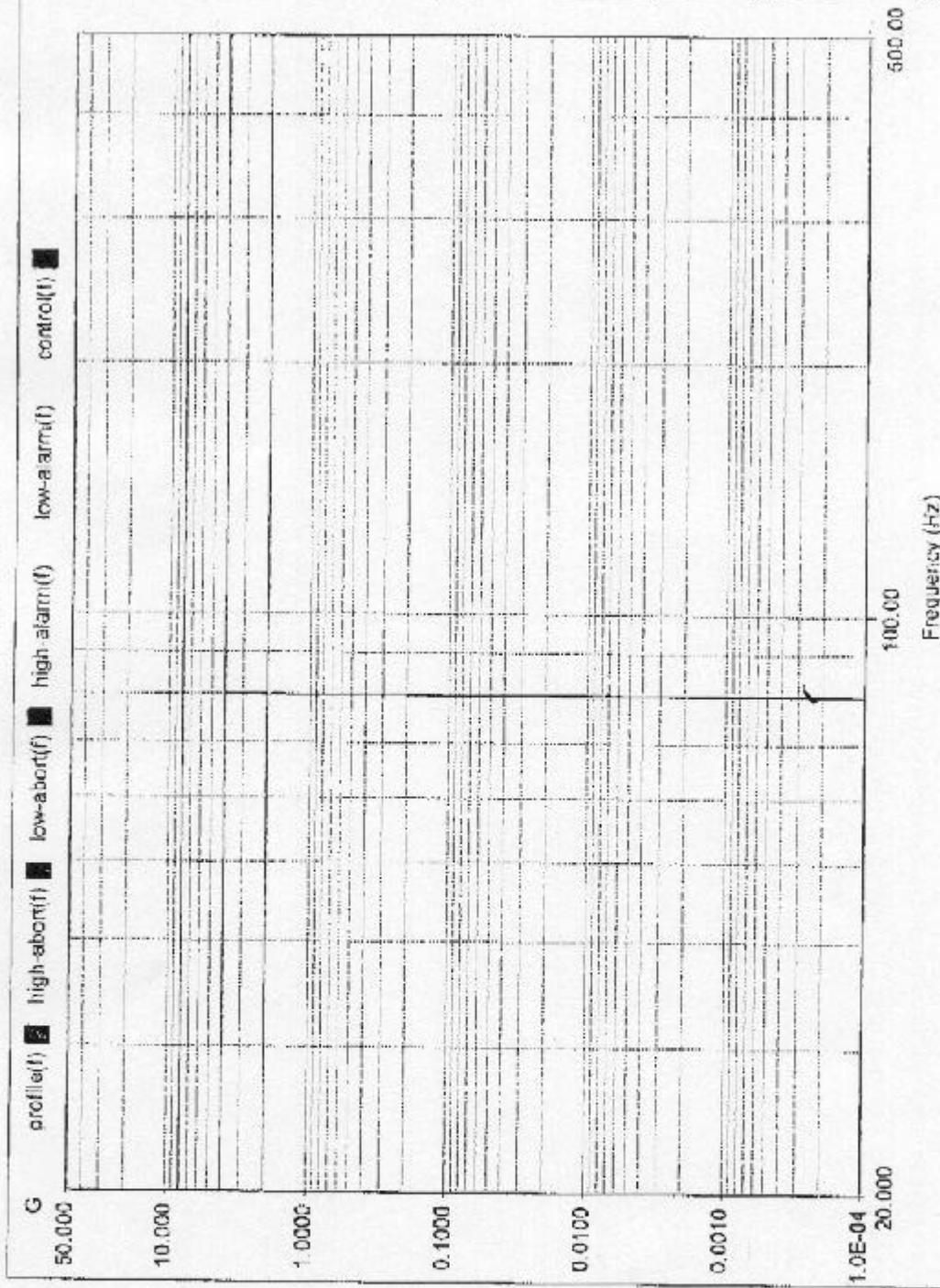
Demand Peak: 3.000000 G Time Remaining: 00:00:00

Sweep Rate: 1 Oct/Min

Plot Header: 共振計留

Project File Name: 共振計留 871002.prj

Profile Name: 5.0G Test Type: Swept Sine Run Folder: Run Oct 07, 1998 16:36:17



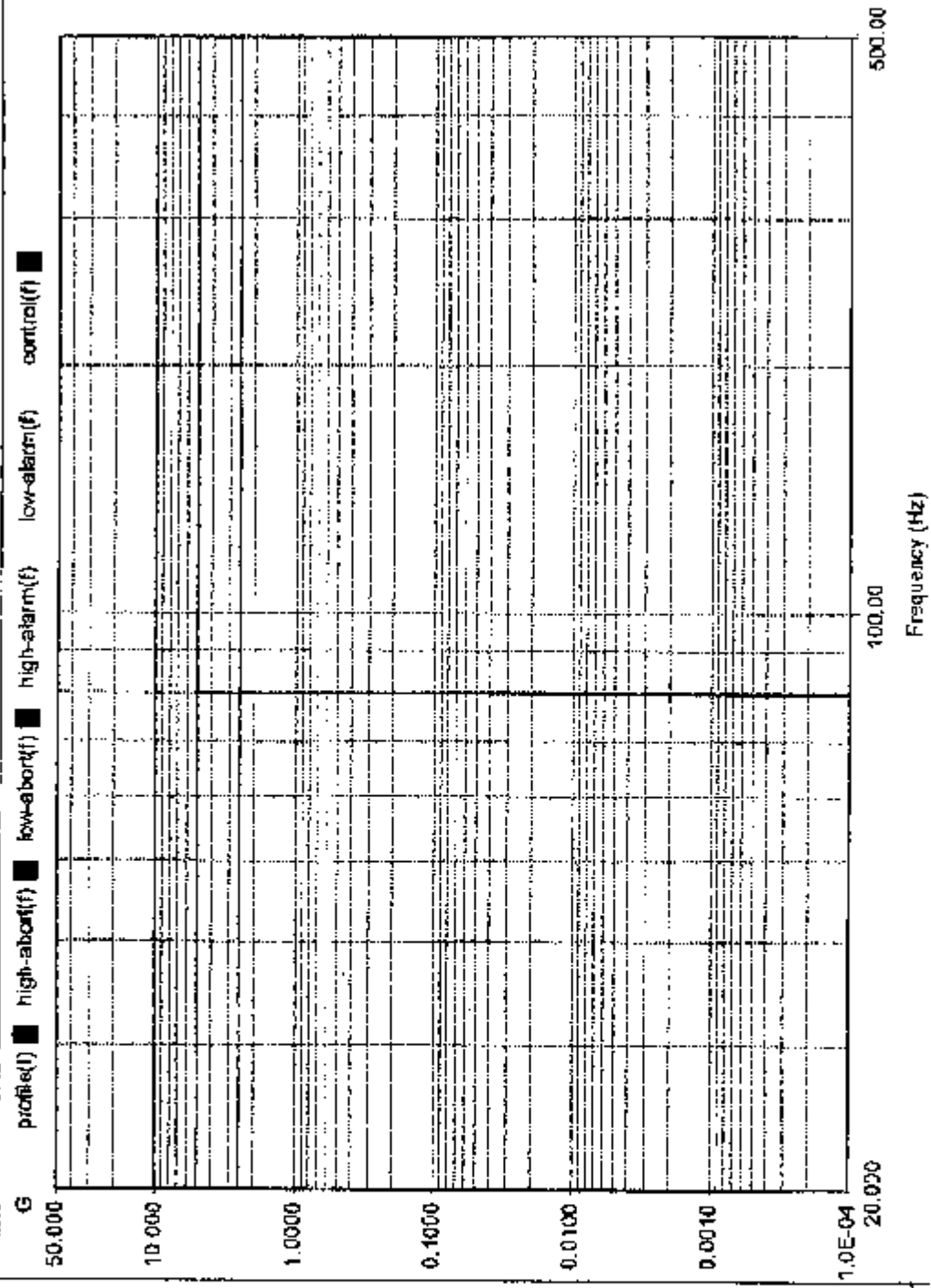
Level: 100 % Control Peak: 4.000000 G Full Level Time: 00:15:00 Sweep Type: Logarithmic
Frequency: 80.0 Hz Demand Peak: 4.000000 G Time Remaining: 00:00:00 Sweep Rate: 1 Oct/Min

Data saved at 04:52:19 PM, Wednesday, October 07, 1998 Report created at 04:53:30 PM, Wednesday, October 7, 1998

Plot Header: 共振耐留

Project File Name: 共振耐留 871602.prj

Profile Name: 5.0G Test Type: Swept Sine Run Folder: Run Oct 07, 1998 16:53:23



Level: 100 % Control Peak: 5.000000 G Full Level Time: 00:15:00 Sweep Type: Logarithmic
 Frequency: 80.0 Hz Demand Peak: 5.000000 G Time Remaining: 00:00:00 Sweep Rate: 1 Oct/Min

Data saved at 09:21:35 AM, Thursday, October 08, 1998 Report created at 09:21:56 AM, Thursday, October 8, 1998