

TESTING / INSPECTION REPORT

REPORT NO : ST-070227-1

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SPECIMEN : AEC-6860
DATE OF RECEIVED : 02/07/07
DATE OF TESTED : 02/07/07

TEST / INSPECTION ITEMS : Shock 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 21 pages, and no part of it may be abstracted or reproduced.

Test Engineer :	<i>Angus Wu</i>	
Approval Signatory :	<i>2007.3. David Lee</i>	Laboratory Head : <i>David Lee</i>



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TEST ENVIRONMENT :

- 1.Shock Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
- 2.Controller : DACTRON FRONT-End Box, S/N: 5250251
- 3.Control Accelerometer : Wilcoxon Research WR-777, S/N: 4208
- 4.Shock Testing System : KING DESIGN DP-1200-60, S/N:KDS11054983
- 5.Controller : KING DESIGN KD-1200-03C, S/N: KD674
- 6.Accelerometer : B&K 4398, S/N: 2209044

TEST ENVIRONMENT :

- Temperature : $25 \pm 10^{\circ}\text{C}$
- Relative Humidity : $60 \pm 20\% \text{ RH}$

SPECIMEN :

- Model : AEC-6860
- Quantity : 2 pieces

TEST SPECIFICATION :

- (1) Wave Form : Half sine wave (HDD)
- Acceleration : 20 g
- Duration Time : 11 ms
- No. of Shock : Each axis 3 times
- Shock Direction : $\pm X, \pm Y, \pm Z$ axis
- (2) Wave Form : Half sine wave (CFD)
- Acceleration : 100 g
- Duration Time : 11 ms
- No. of Shock : Each axis 3 times
- Shock Direction : $\pm X, \pm Y, \pm Z$ axis

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TEST RESULT :

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

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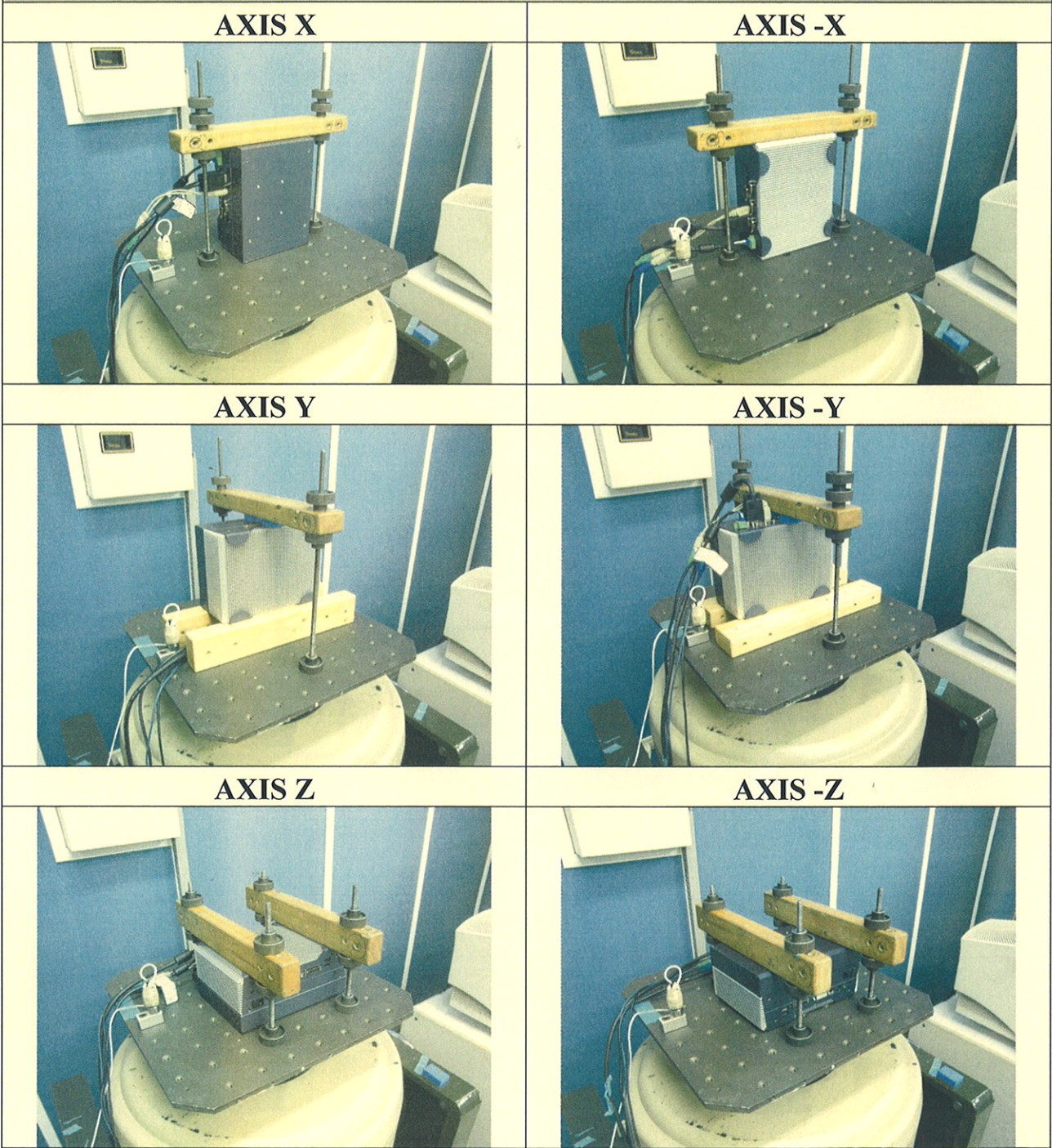
Testing photos

AEC-6860 (HDD)



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Testing photos -AEC-6860 (HDD)



TESTING / INSPECTION REPORT

Testing photos

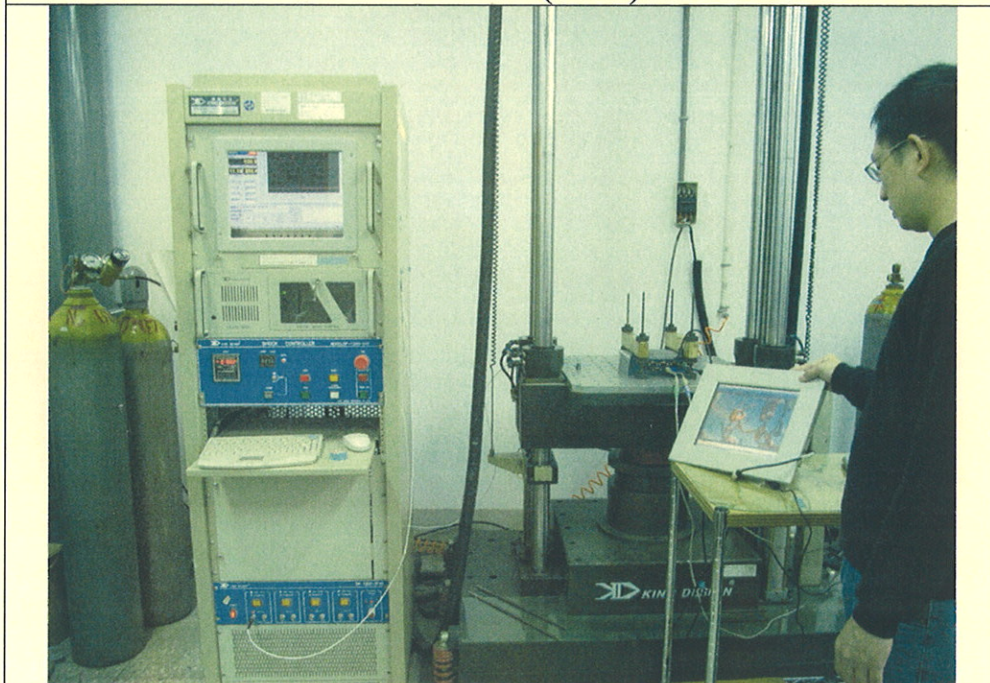
After test



TESTING / INSPECTION REPORT

Testing photos

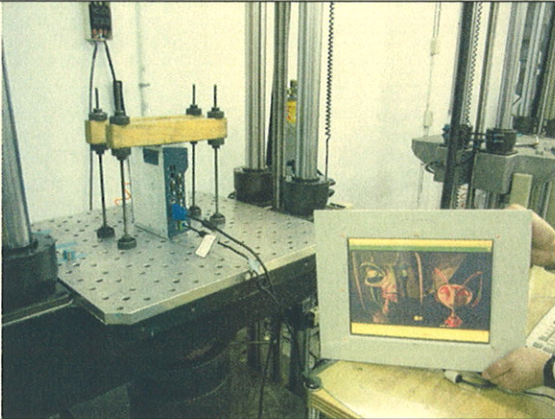
AEC-6860 (CFD)



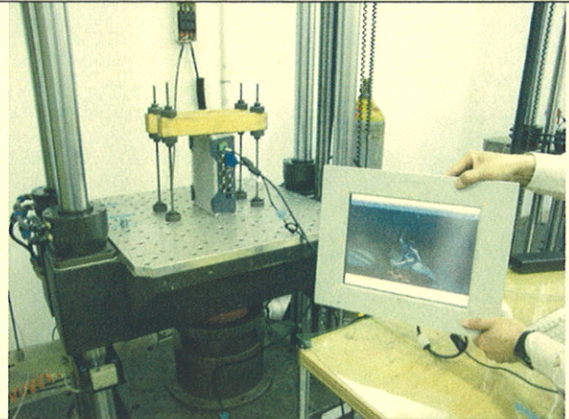
TESTING / INSPECTION REPORT

Testing photos - AEC-6860 (CFD)

AXIS X



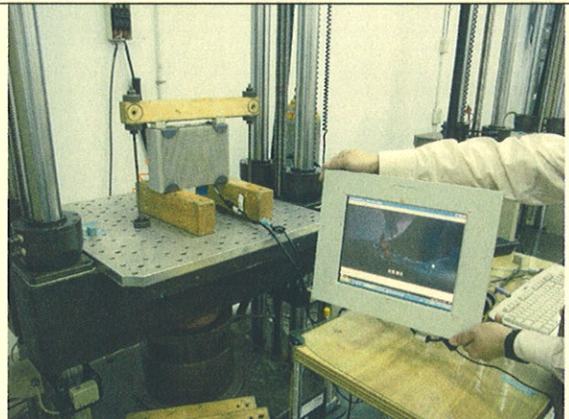
AXIS -X



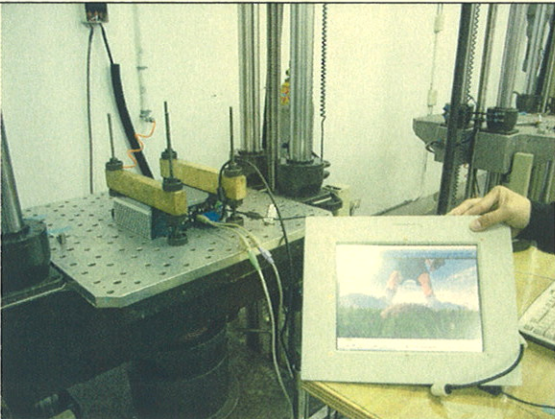
AXIS Y



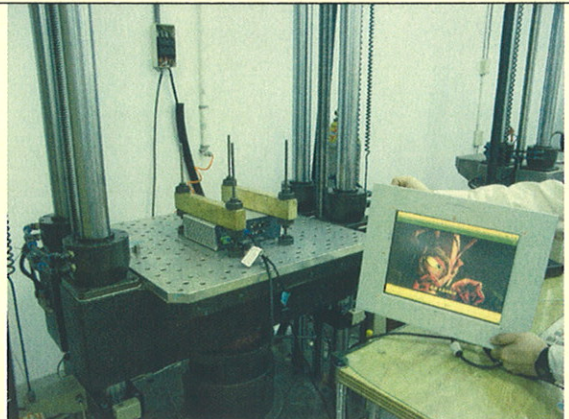
AXIS -Y



AXIS Z



AXIS -Z



TESTING / INSPECTION REPORT

Testing photos

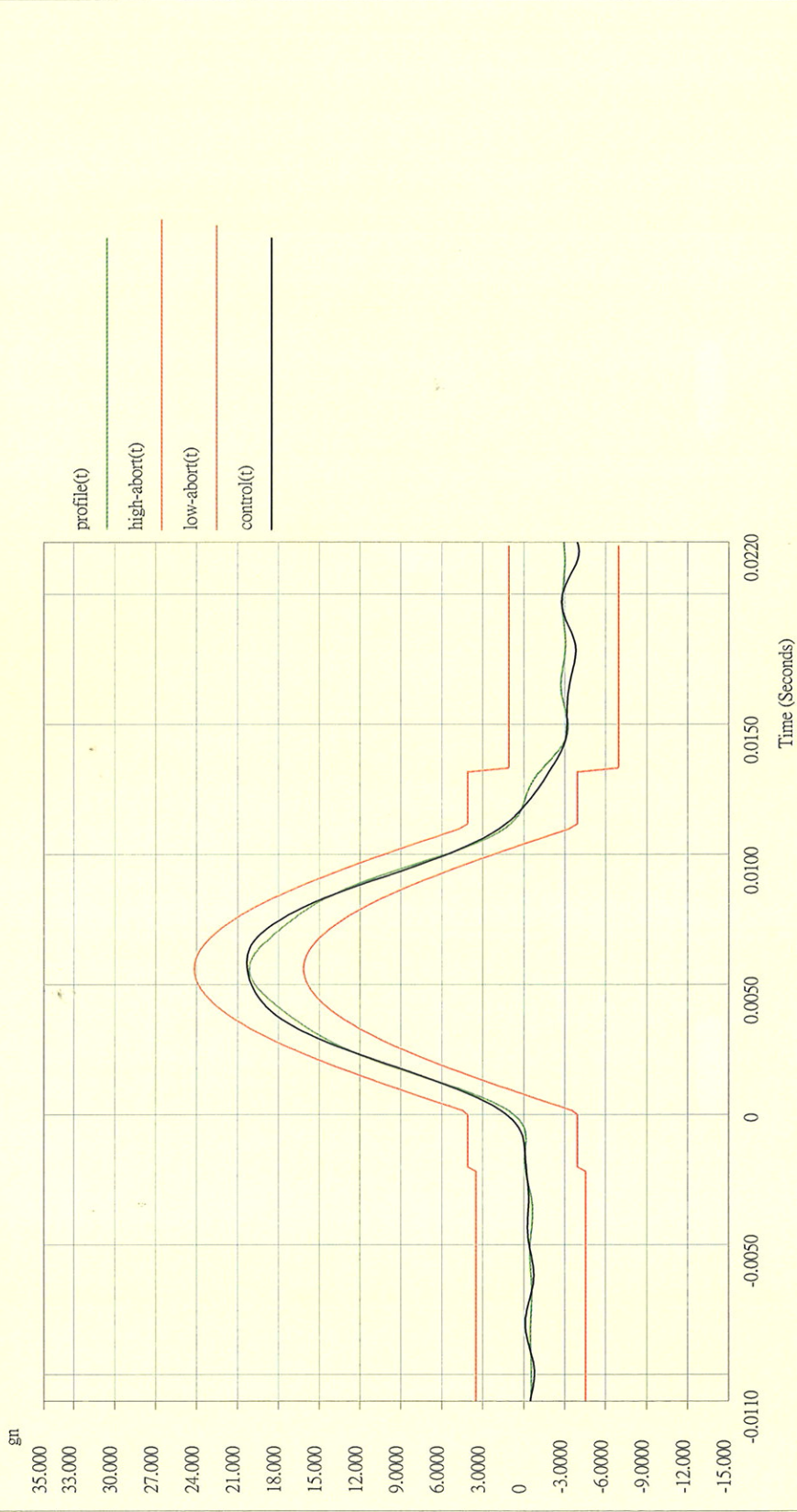
After test



Axis X

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07, 2007 11-43-46

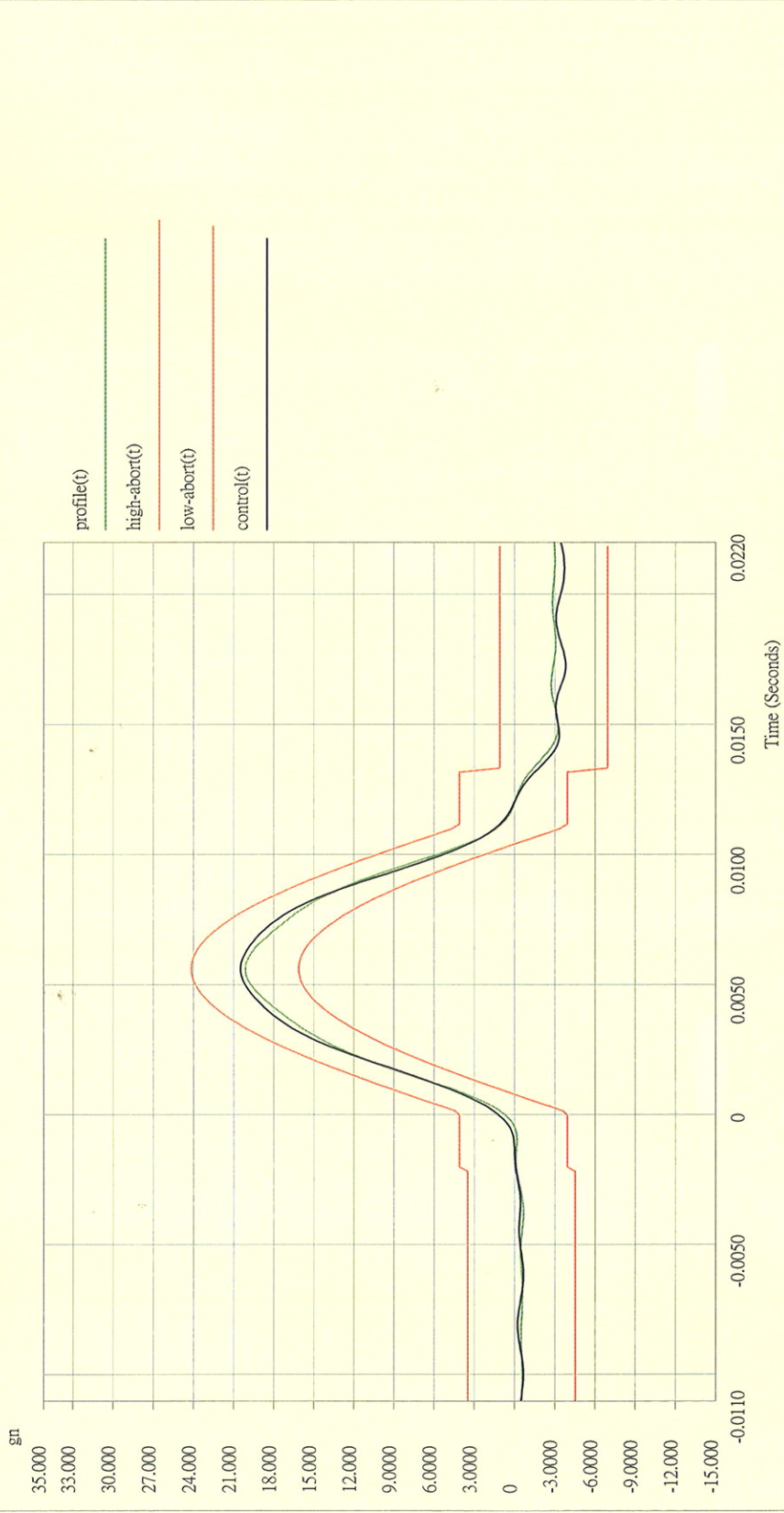


Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.341333 Seconds Control Peak: 20.182465 gn Control RMS: 2.799528 gn Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
 Data saved at 11:44:10 AM, Wednesday, February 07, 2007 Report created at 11:44:13 AM, Wednesday, February 7, 2007

Axis -X

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07,2007 11-46-40

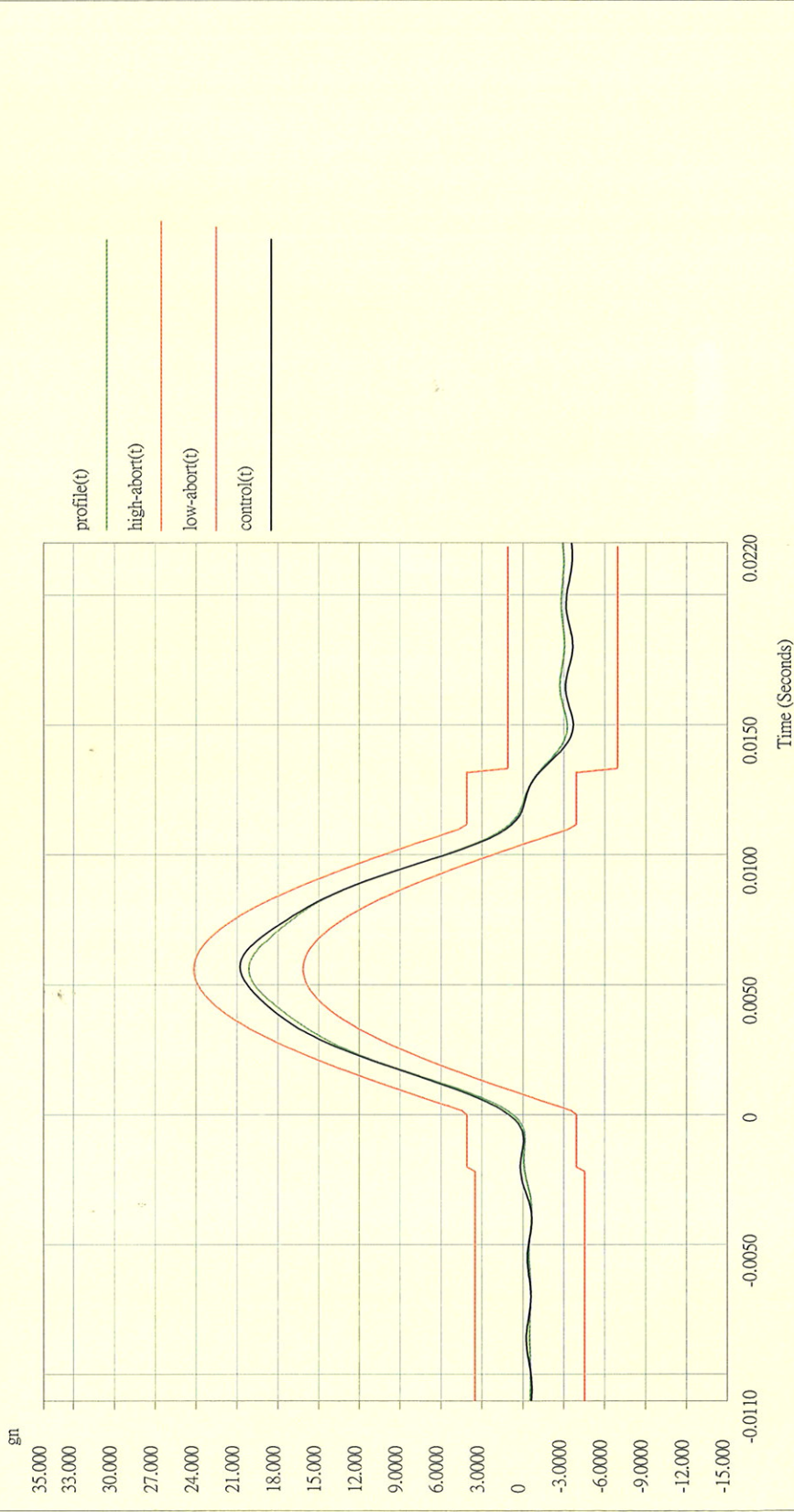


Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.341333 Seconds Control Peak: 20.334332 gn Control RMS: 2.795115 gn Full Level Elapsed Pulses: 3
 dt: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
 Data saved at 11:47:05 AM, Wednesday, February 07, 2007 Report created at 11:47:08 AM, Wednesday, February 7, 2007

Axis Y

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07,2007 11-38-56



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.341333 Seconds Control Peak: 20.641026 gn Control RMS: 2.797116 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0

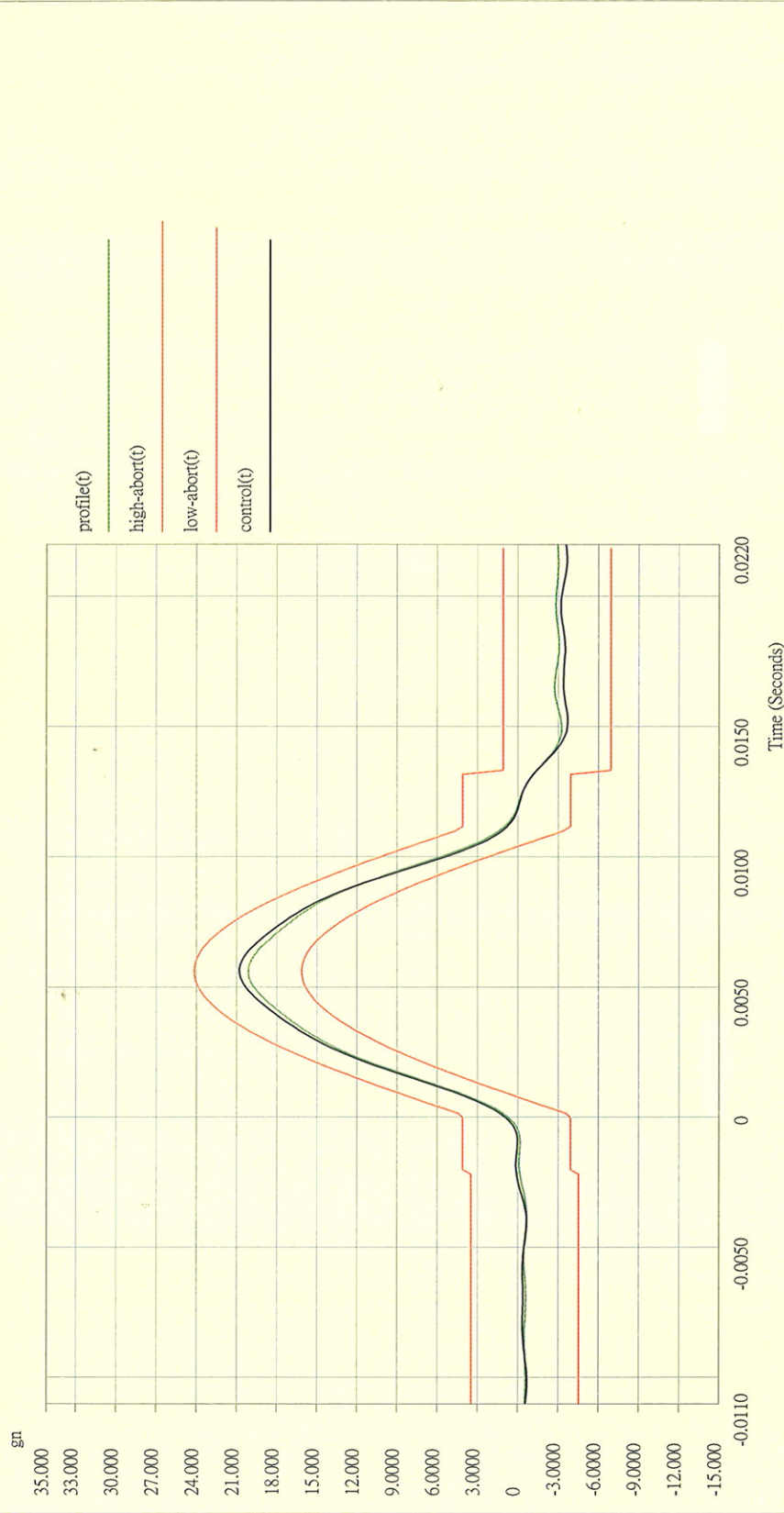
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

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Axis -Y

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07, 2007 11-40-44

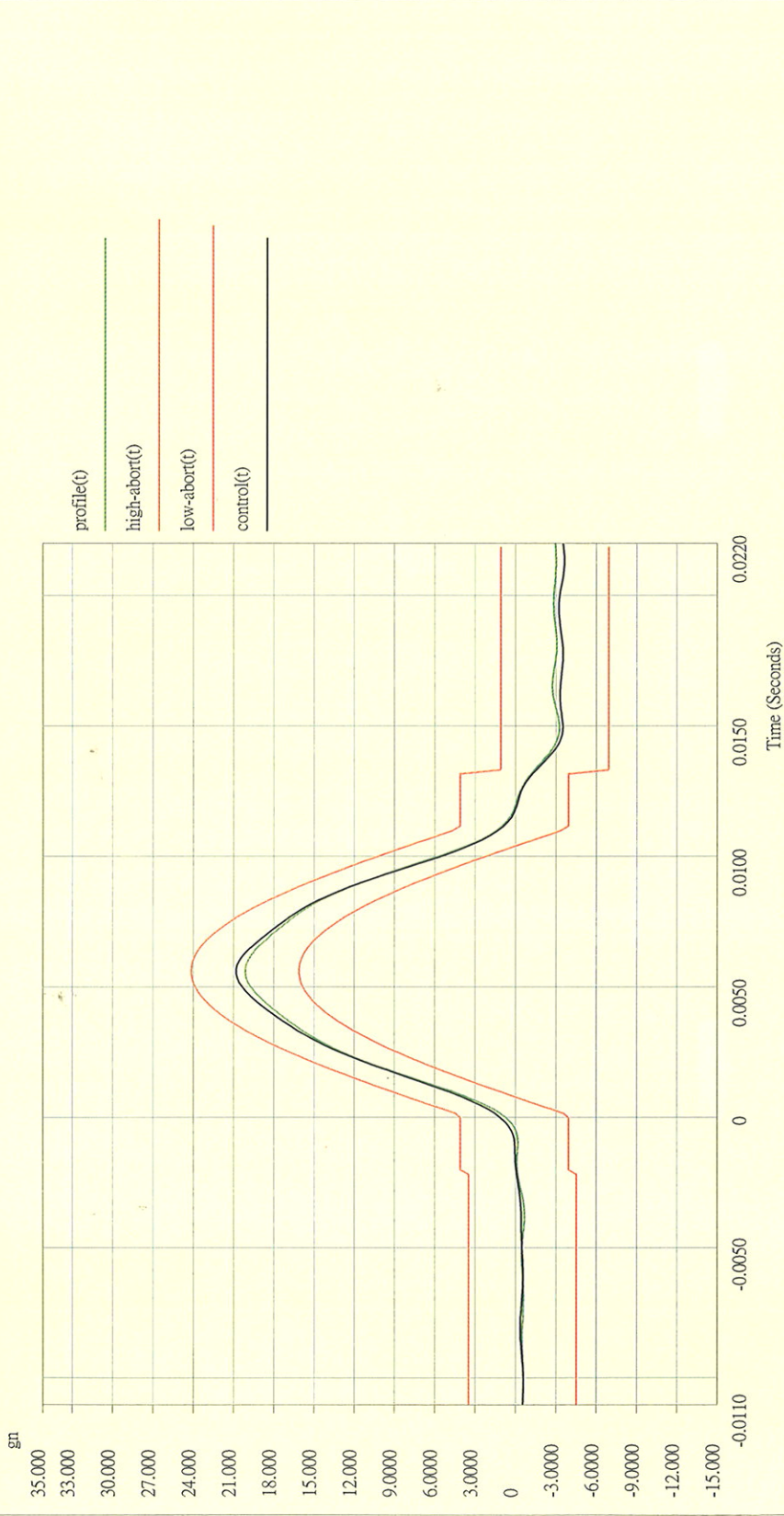


Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.341333 Seconds Control Peak: 20.655611 gn Control RMS: 2.799071 gn Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
 Data saved at 11:41:09 AM, Wednesday, February 07, 2007 Report created at 11:41:12 AM, Wednesday, February 7, 2007

Axis Z

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07,2007 11-33-19

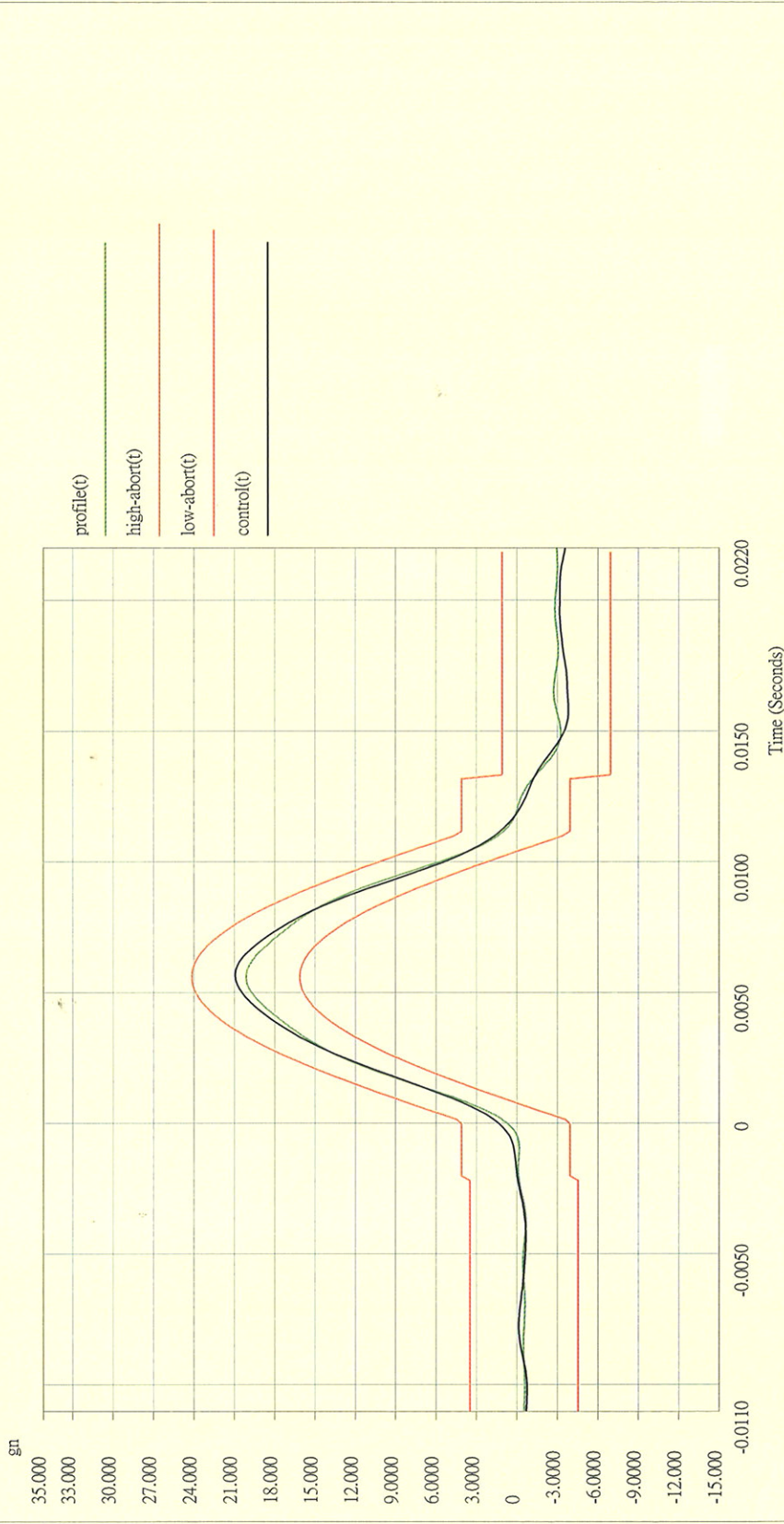


Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.341333 Seconds Control Peak: 20.667044 gn Control RMS: 2.789262 gn Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
 Data saved at 11:35:40 AM, Wednesday, February 07, 2007 Report created at 11:35:49 AM, Wednesday, February 7, 2007

Axis -Z

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Feb 07,2007 11-35-54



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.341333 Seconds Control Peak: 20.800667 gn Control RMS: 2.794031 gn Full Level Elapsed Pulses: 3

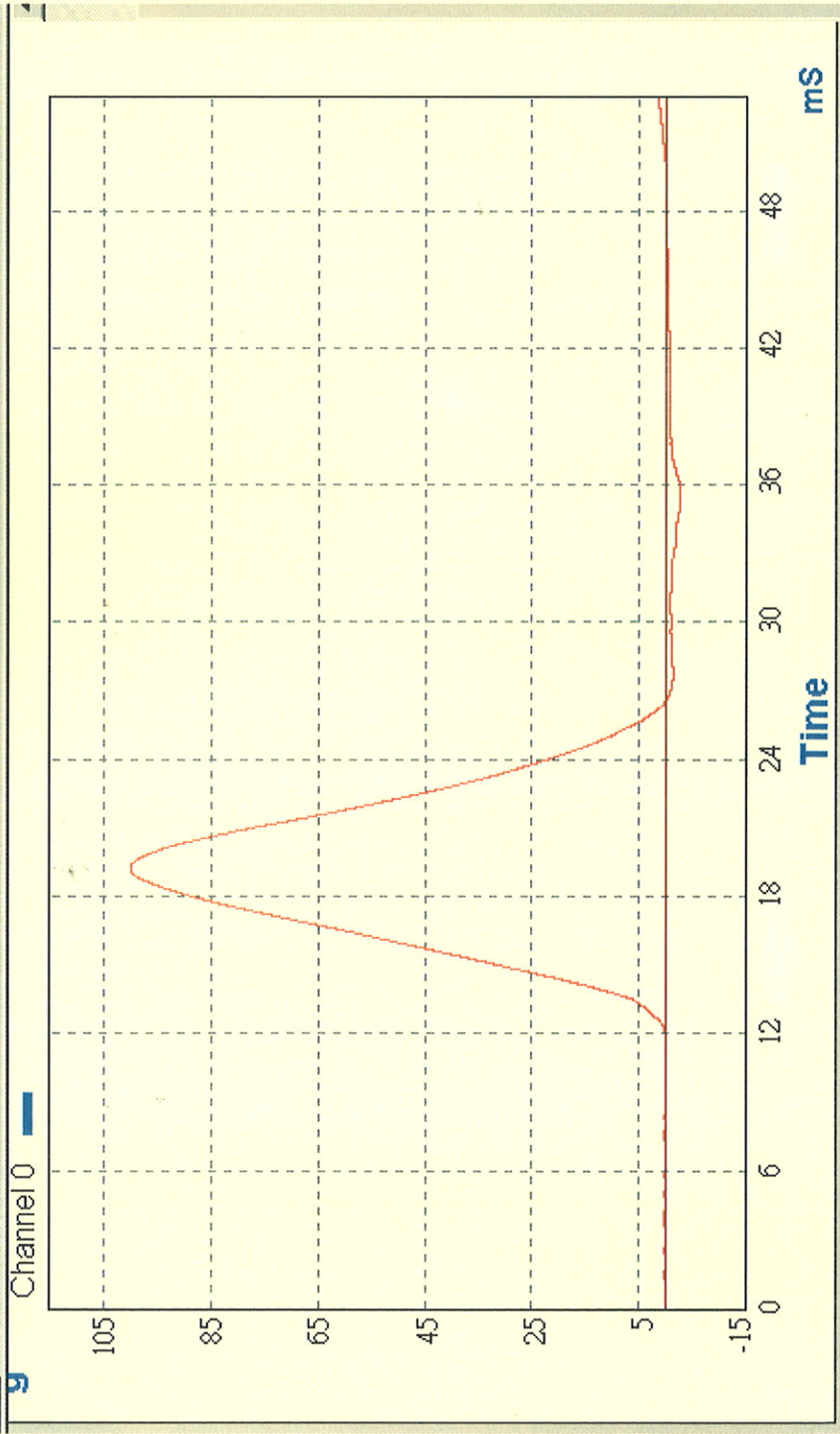
dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.682122 gn Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:36:19 AM, Wednesday, February 07, 2007 Report created at 11:36:22 AM, Wednesday, February 7, 2007

SHOCK TEST SPECIFICATION : 100g 11ms CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 04-35-35 Data saved at : 2007-2-7 PM 04-35-35
 测试精密 2007/2/7 PM 04:35:47



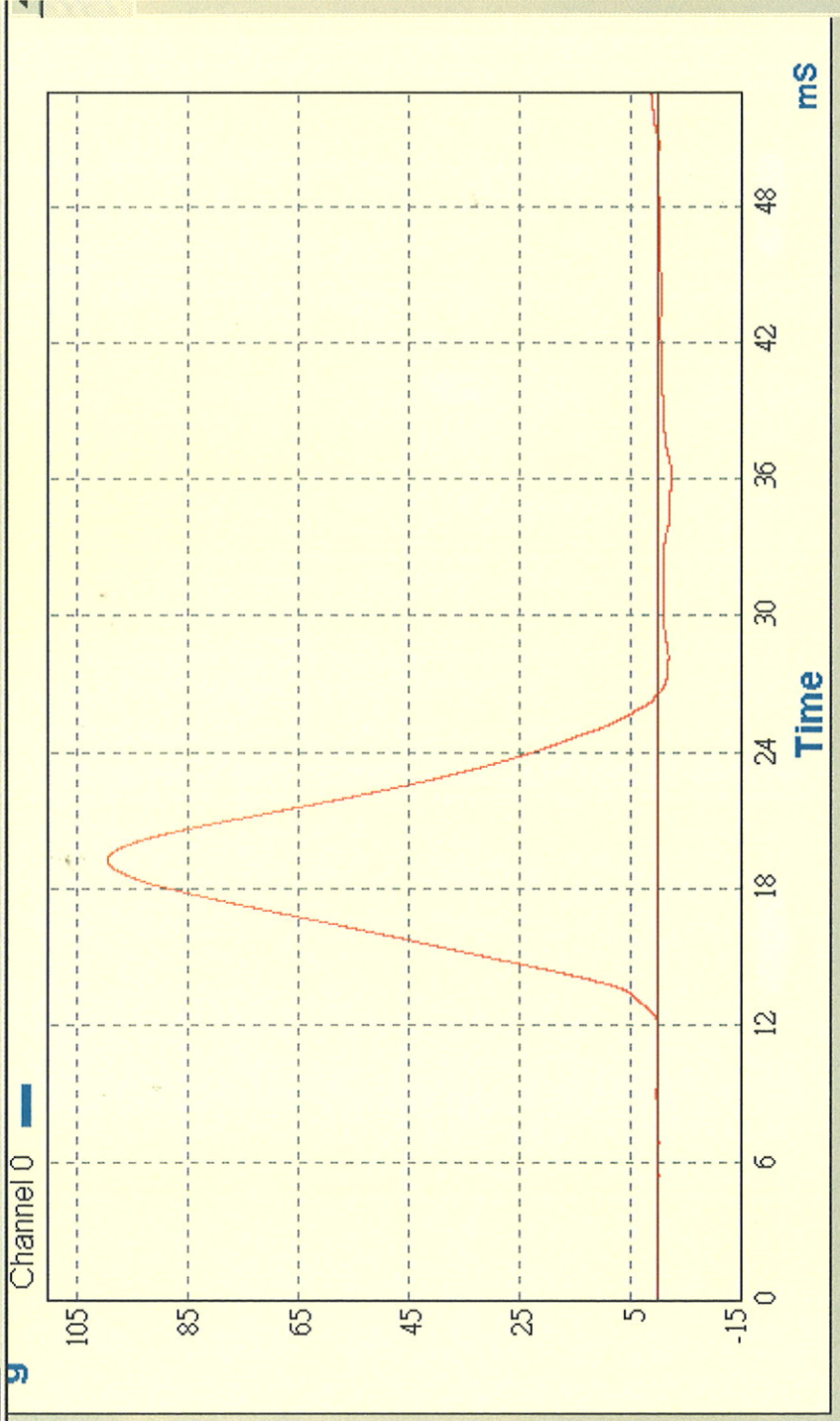
	AXIS X
g	100.16
mS	11.28
m/sec	6.387

SHOCK TEST SPECIFICATION : 100g 11ms CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 04-45-06 Data saved at : 2007-2-7 PM 04-45-06

2007/2/7 PM 04:45:21

測試結果



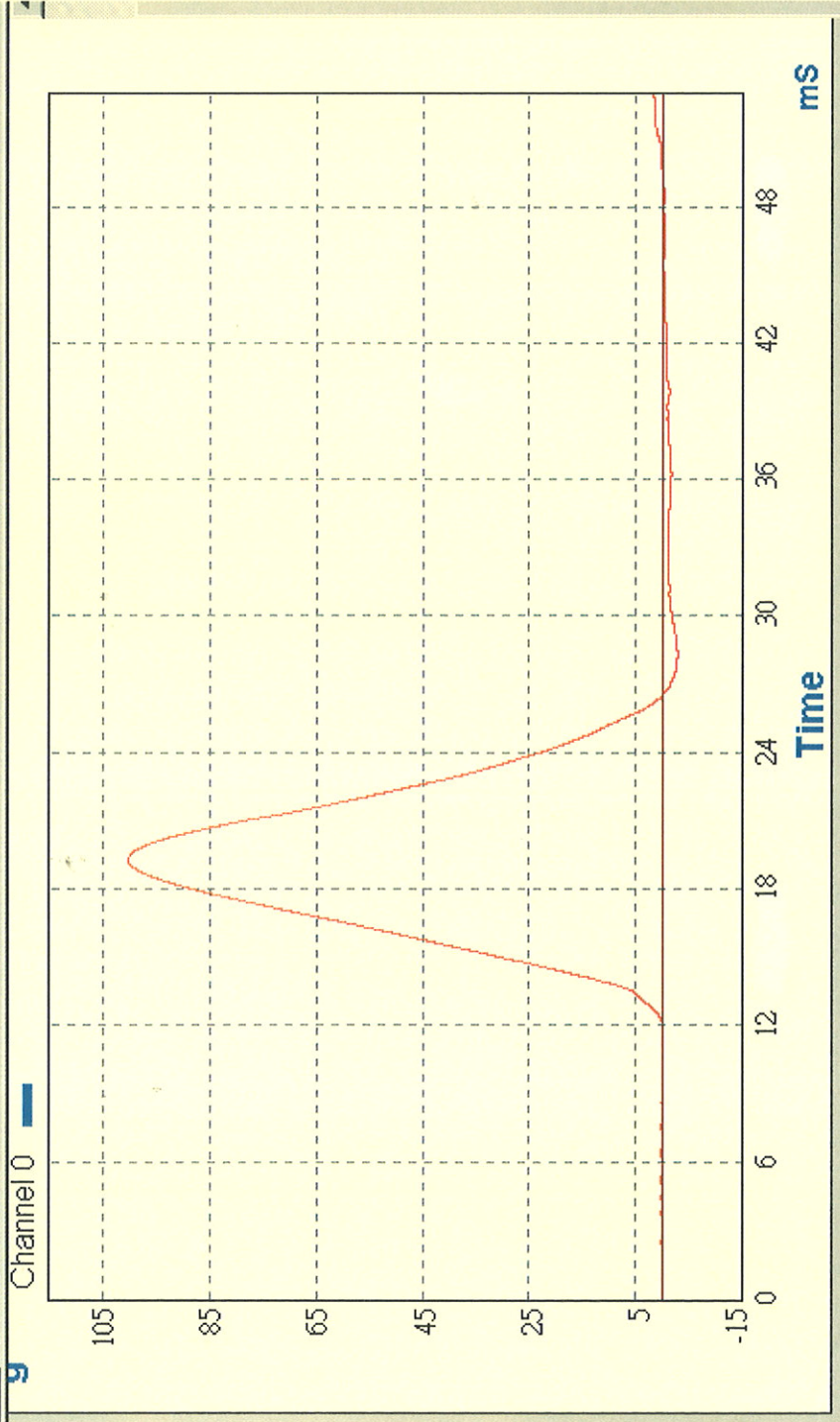
	AXIS-X
g	99.53
mS	11.25
m/sec	6.380

SHOCK TEST SPECIFICATION : 100g 11ms CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 04-53-46 Data saved at : 2007-2-7 PM 04-53-46

2007/2/7 PM 04:54:02

測試精靈



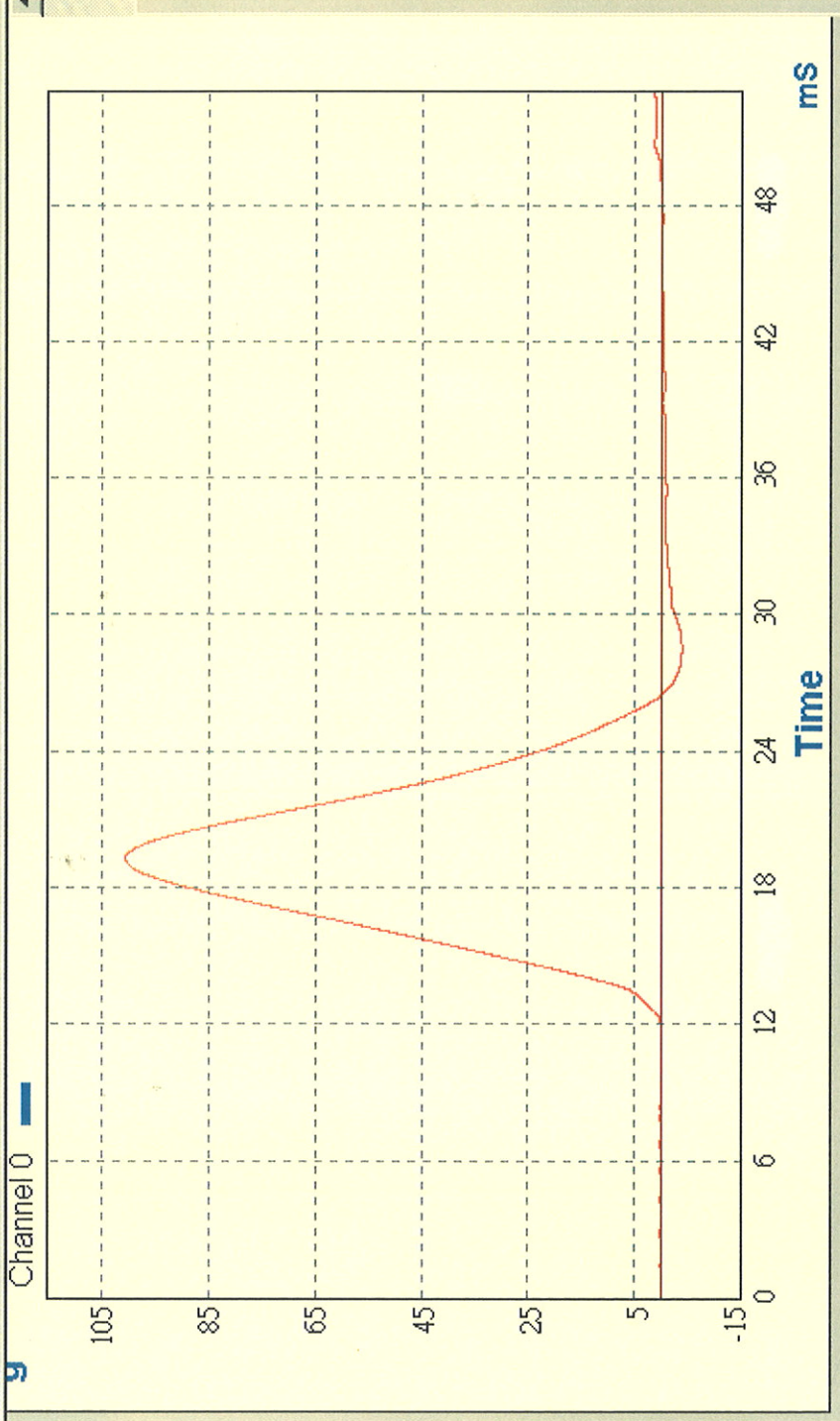
	AXIS Y
g	100.37
mS	11.35
m/sec	6.413

SHOCK TEST SPECIFICATION : 100g 11ms CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 05-01-57 Data saved at : 2007-2-7 PM 05-01-57

2007/2/7 PM 05:02:08

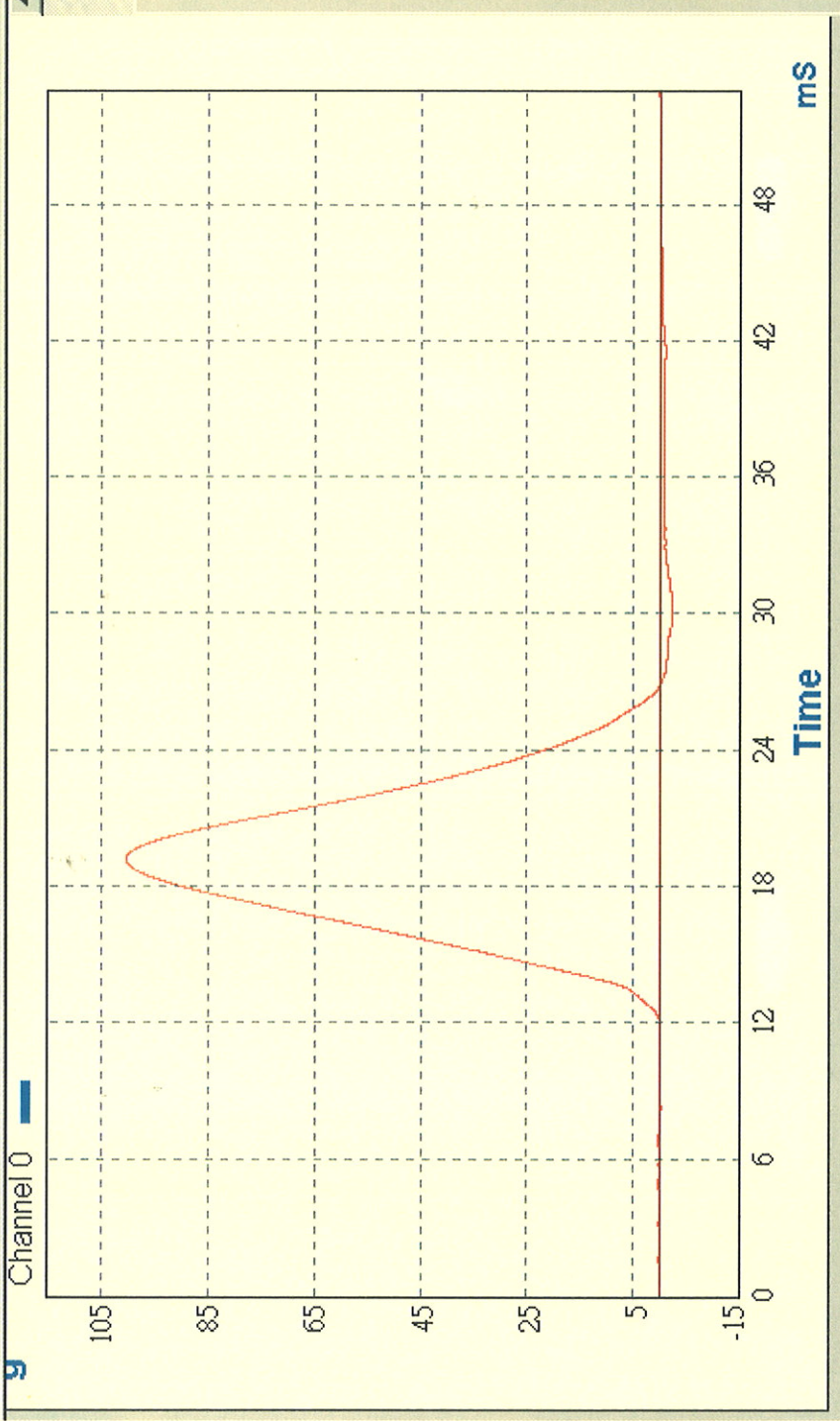
測試精靈



	AXIS-Y
g	100.66
mS	11.39
m/sec	6.450

SHOCK TEST SPECIFICATION : 100g 11mS CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 04-24-07 Data saved at : 2007-2-7 PM 04-24-07
 測試精靈



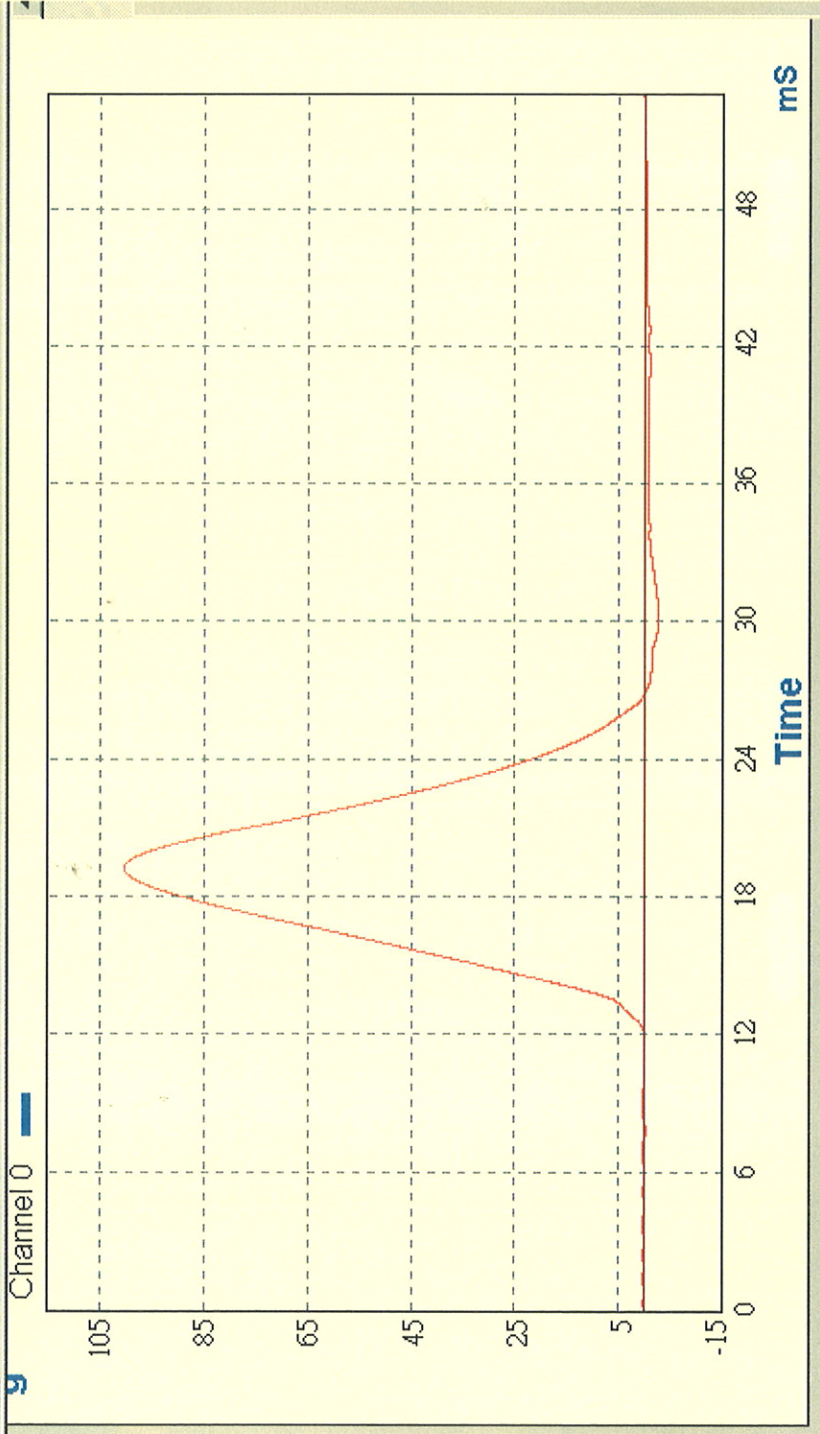
	AXIS Z
g	100.49
mS	11.29
m/sec	6.412

SHOCK TEST SPECIFICATION : 100g 11mS CYCLE OF TEST : 3/3

Testing at : 2007-2-7 PM 04-28-23 Data saved at : 2007-2-7 PM 04-28-23

2007/2/7 PM 04:28:34

测试精密



	AXIS-Z
g	100.48
mS	11.29
m/sec	6.410