

S
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T
O

STANFORD LINEAR ACCELERATOR CENTER
2575 SAND HILL ROAD
MENLO PARK, CALIFORNIA 94025

ATTN: DAVID TARKINGTON

DATE	1/27/05
VIA	U.S. MAIL
SHIP FROM	5452 Betsy Ross Drive Santa Clara, CA 95054-1101 (408) 764-5500

CUSTOMER ORDER NO. SLAC-000054714	JOB NUMBER 49995.51758	PARTIAL <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/>	OUR P.O. NO.
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ITEM NO.	QUANTITY	DESCRIPTION
1	1 SET	<p>ORIGINAL TEST DATA ON AS FOLLOWS:</p> <p>3 EACH TEM & TPS (SEE INITIAL VISUAL)</p> <p>POST RANDOM VIBRATION TESTING PER SLAC LAT-TD-05649 AND CUSTOMER INSTRUCTION</p>

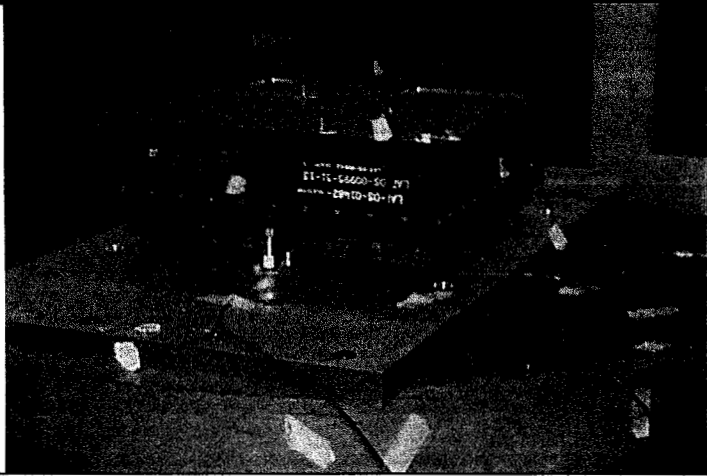
CERTIFICATE OF CONFORMANCE

This is to certify that test data and/or certifications providing conformance to purchase order number N/A
are on file and available for examination at WYLE LABORATORIES, under Job Number N/A

Quality Assurance Signature

RECEIVED BY Mail	DATE 2/8/05	SHIPMENT AUTHORIZED BY: NAME JACK O. EAGAN
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TEST DATA

DATE STARTED 01-24-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> T-21
DATE COMPLETED 01-25-05	SPECIMEN DESCRIPTION TEM & TPS { See Initial Visual }	ENGINEER (SIGNATURE) <i>J. O. Egan</i>
TEMPERATURE 73°F	TYPE OF TEST SET-UP - Detail	ENGINEER <i>David Egan</i>
HUMIDITY 45%R.H.	MANUFACTURER Stanford Linear Accelerator	JOB NUMBER 49995.51758
SPECIMEN NUMBER 1	TEST SPECIFICATION See Vibration Data	
		
	Z - Axis	



TEST DATA

DATE STARTED 01-24-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> T-21	
DATE COMPLETED 01-25-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>o Logan</i>	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random – Non-Op.			ENGINEER <i>Mark Logan</i>	
HUMIDITY 45% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.51758	
SPECIMEN NUMBER 1 - 3		TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction				
SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
1	01-24-05	Z	1448	+0:03:19	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis Random - Qual. 20Hz @ 0.01 G ² /Hz 80Hz @ 0.04 G ² /Hz 150 - 220Hz @ 0.076 G ² /Hz 260 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 7.1 Grms overall 2 minutes / axis Random - Accept. 20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 6.79 Grms overall 1 minute / axis	Sine Search
		Z	1547	+0:02:01		Random Qual.
	01-24-05	Z	1605	+0:03:19		Sine Search
	01-25-05	X	0921	+0:03:19		Sine Search
		X	0938	+0:02:01		Random Qual.
		X	0948	+0:03:19		Sine Search
		Y	1008	+0:03:19		Sine Search
		Y	1020	+0:02:01		Random Qual.
		Y	1029	+0:03:19		Sine Search;repeat,screws loose
1		Y	1041	+0:03:19		Sine Search
2		X	1250	+0:02:09		Sine Search;Change to 4 oct./min.
		X	1414	+0:01:00		Random Accept.
2	01-25-05	X	1428	+0:02:09		Sine Search



TEST DATA

DATE STARTED 01-24-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> WSC T-21	
DATE COMPLETED 01-25-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>J. O. Egan</i> WSC T-13	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Patrick Egan</i>	
HUMIDITY 45% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.51758	
SPECIMEN NUMBER 1 - 3		TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction				
SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
2	01-25-05	Y	1452	+0:02:09	Sine - Search 20 - 2000Hz @ 0.15g 4 octaves / minute 1 sweep up / axis	Sine Search
		Y	1506	+0:01:00		Random Accept.
2		Y	1511	+0:02:09	Random - Qual. 20Hz @ 0.01 G ² /Hz 80Hz @ 0.04 G ² /Hz 150 - 220Hz @ 0.076 G ² /Hz 260 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz 7.1 Grms overall 2 minutes / axis	Sine Search
3		X	1531	+0:02:09		Sine Search
		X	1541	+0:01:00		Random Accept.
		X	1547	+0:02:09		Sine Search
		Y	1605	+0:02:09		Sine Search
		Y	1619	+0:01:00		Random - Accept.
		Y	1625	+0:02:09		Sine Search
		Z	1727	+0:02:09		Sine Search
		Z	1749	+0:01:01		Random Accept.
3		Z	1757	+0:02:09		Sine Search
2	01-25-05	Z	1819	+0:02:09	Sine Search	



EQUIPMENT LIST

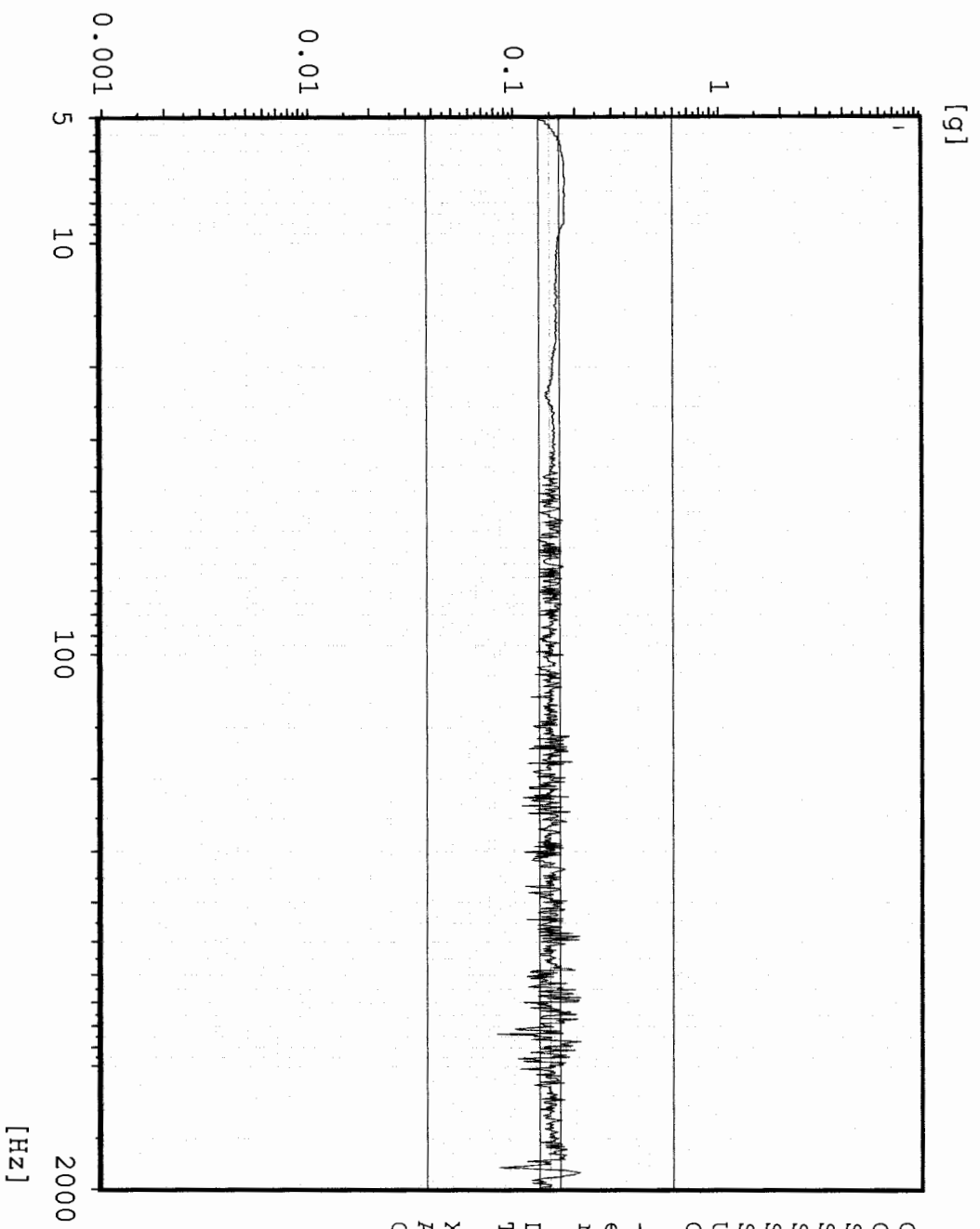
JOB NUMBER 499995.51758

TEST DESCRIPTION Random & Sine Vibration

EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	ASSET NUMBER	RANGE	ACCURACY	CALIBRATION DATE	CALIBRATION PERIOD		
Vibration System	Unholtz-Dicke	T1000	4-6242	17,500 Force Lbs: 2Hz - 3KHz	± 10%	01-24-05	T.O.T		
Accelerometer	Endevco Corp.	2271A	4-42129	1,000 g's Max: 2Hz - 5.5KHz	± 5%	11-01-04	1 Yr.		
		2271A	4-64073	1,000 g's Max: 2Hz - 5.5KHz	± 5%	08-25-04	1 Yr.		
		2226C	4-42130	1,000 g's Max: 3Hz - 6KHz	± 5%	05-25-04	1 Yr.		
		2226C	4-64096	1,000 g's Max: 3Hz - 6KHz	± 5%	03-16-04	1 Yr.		
		2220D	4-42122	1,000 g's Max: 2Hz - 10KHz	± 5%	05-25-04	1 Yr.		
		2220D	4-6442	1,000 g's Max: 2Hz - 10KHz	± 5%	08-26-04	1 Yr.		
		2220D	4-6491	1,000 g's Max: 2Hz - 10KHz	± 5%	05-25-04	1 Yr.		
		2226C	4-6555	1,000 g's Max: 3Hz - 6KHz	± 5%	06-18-04	1 Yr.		
		2222C	4-42143	1,000 g's Max: 5Hz - 8KHz	± 5%	11-01-04	1 Yr.		
		Charge Amp.	Unholtz-Dicke	D22-8	4-64029	Freq. Response: 5Hz - 5KHz	± 2%	11-08-04	6 Mo.
				D22-8	4-6540	Freq. Response: 5Hz - 5KHz	± 2%	08-24-04	6 Mo.
				D22-8	4-6461	Freq. Response: 5Hz - 5KHz	± 2%	08-10-04	6 Mo.
D22-8	4-6538			Freq. Response: 5Hz - 5KHz	± 2%	09-03-04	6 Mo.		
D22-8	4-6549			Freq. Response: 5Hz - 5KHz	± 2%	08-10-04	6 Mo.		
Digital Vibration Control System	M + P International / Agilent	VXI	4-62092	Freq. Range: 23KHz	± 1%	03-03-04	1 Yr.		
		E8408A		Sample Rate: 51.2KSa/sec.					
				Dynamic Range: 90dB					
				Voltage: 10V Pk					
				Resolution: 20 Bit / 3200 lines					
				Channels: 16: COLA:1v Pk					

Sine CX1 Control channel

Stanford Linear Accelerator
J/N 499995.51758
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

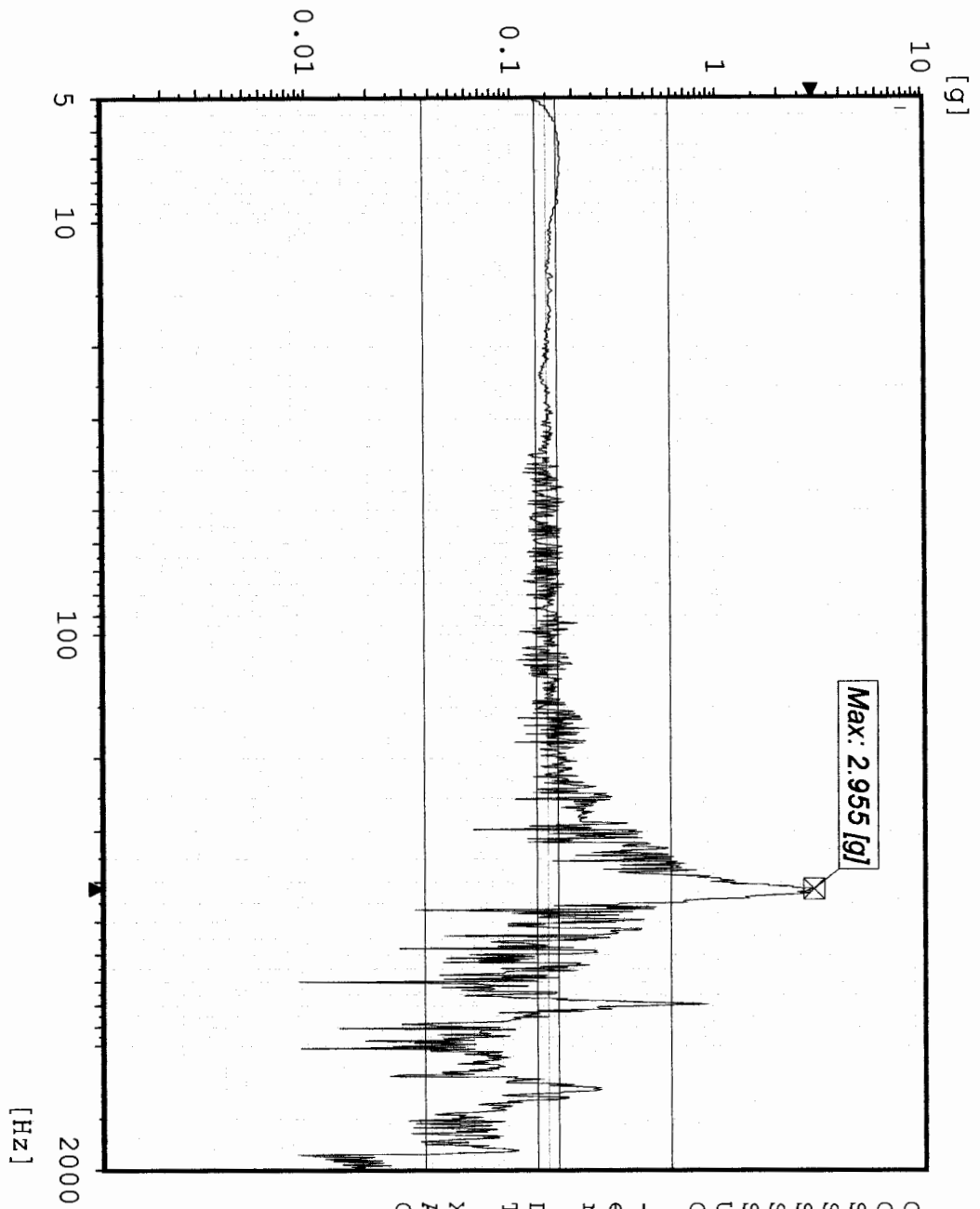
-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 12:52:14

X - axis Pre-Random
Acceptance Unit 1
GLAT 1753

Sine AX4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 2
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

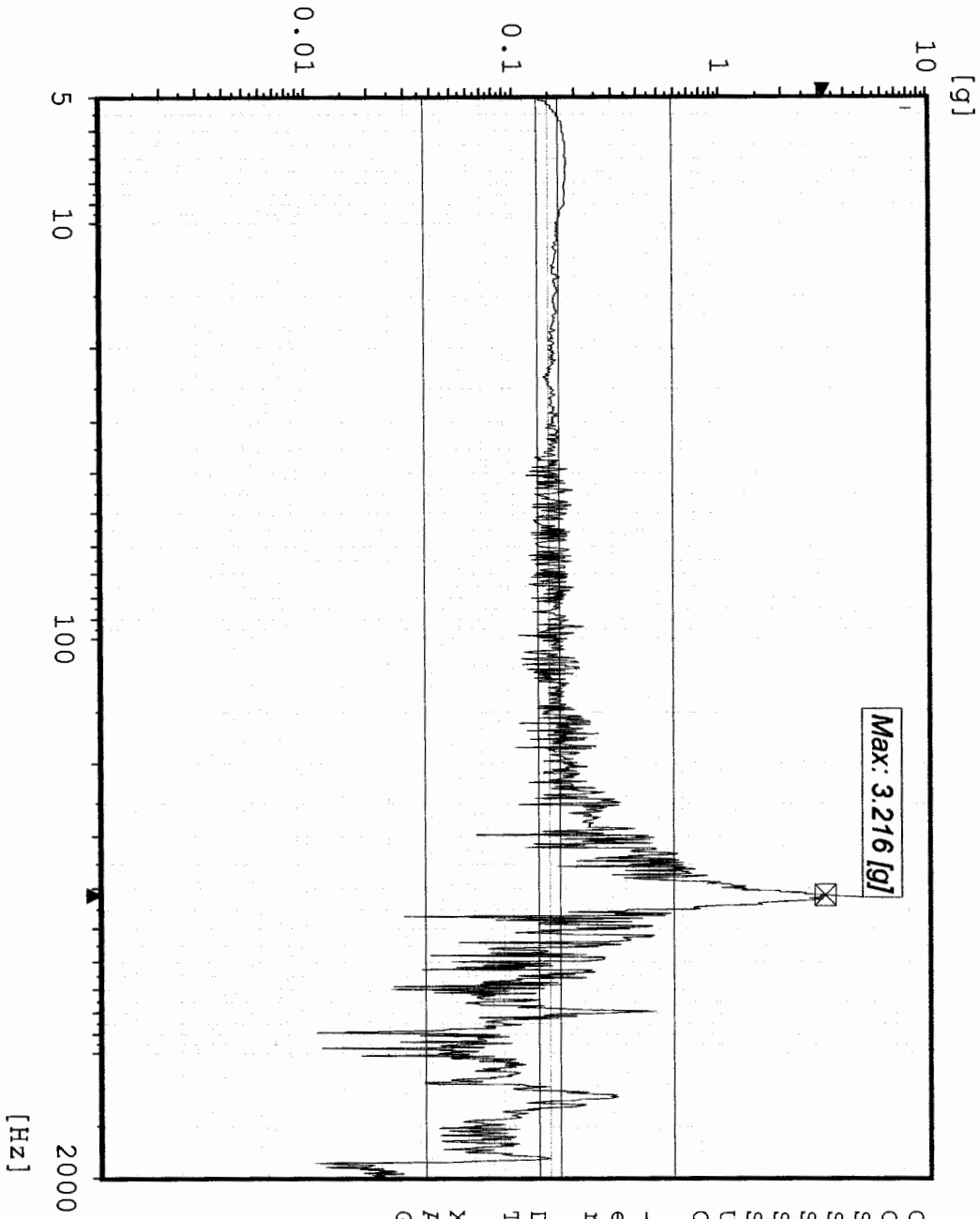
Date: 01-25-05
Time: 12:52:14

X - axis Pre-Random
Acceptance Unit 1
GIAT 1753
  
```

Max: 416.3 Hz 3.216 g

Sine AX3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 12:52:14

X - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```

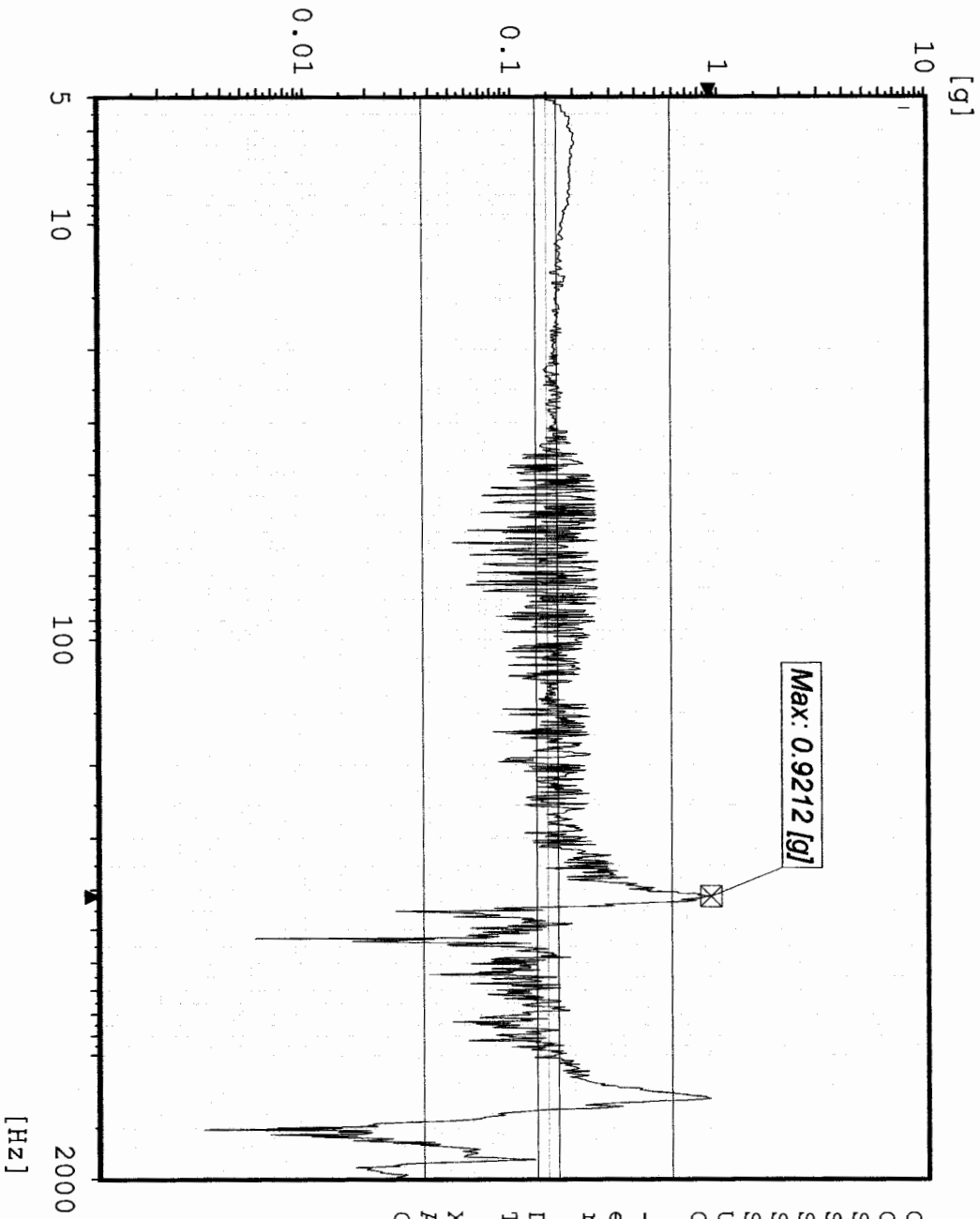
Max: 416.3 Hz 0.9212 g

Sine AXI TEM Edge center

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



```

Chan.no: 7
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 12:52:14

X - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```

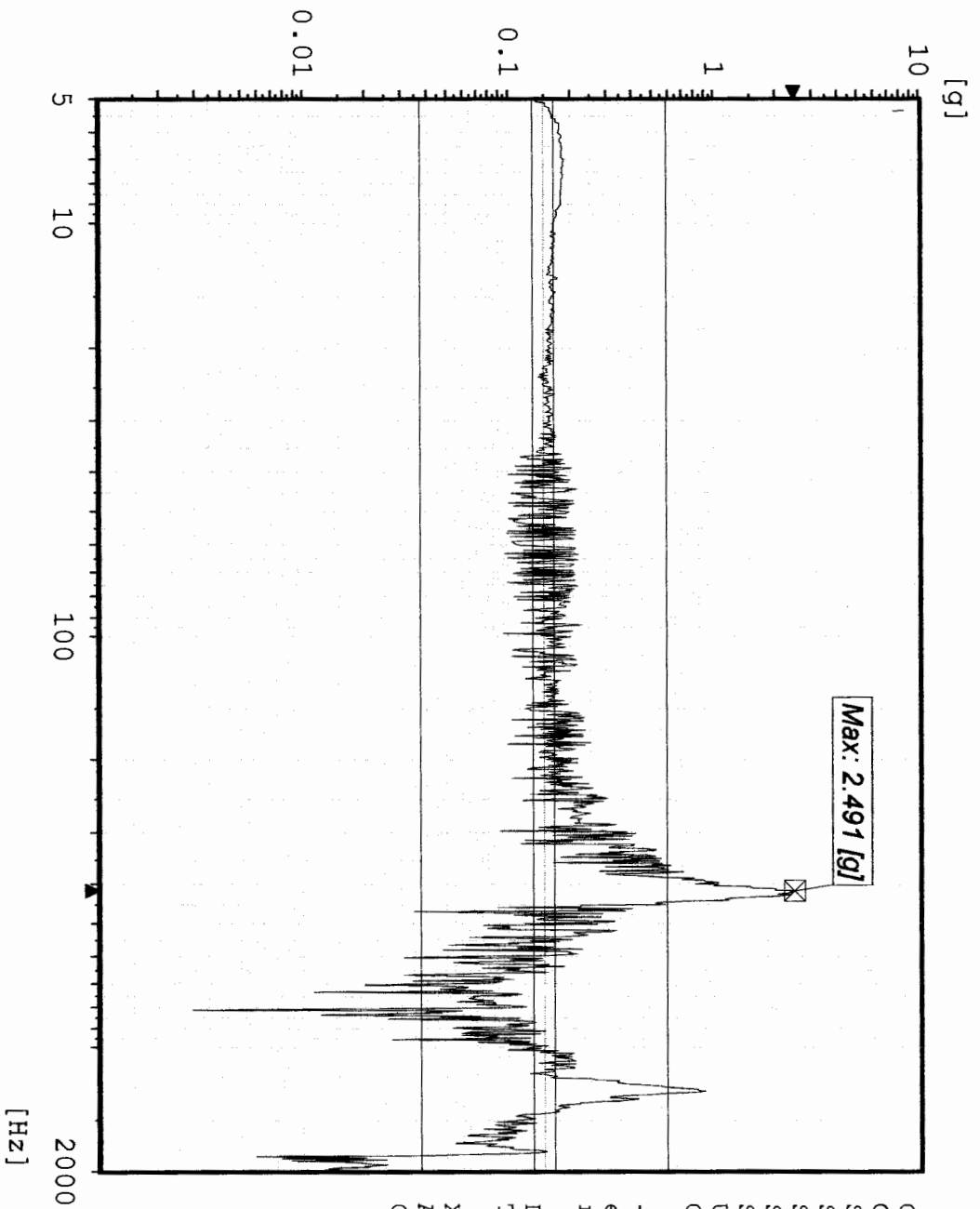
Max: 416.3 Hz 2.491 g

Sine
Stanford Linear Accelerator

AX2 TPS CG



J/N 49995.51758
TEM / TPS



```

Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

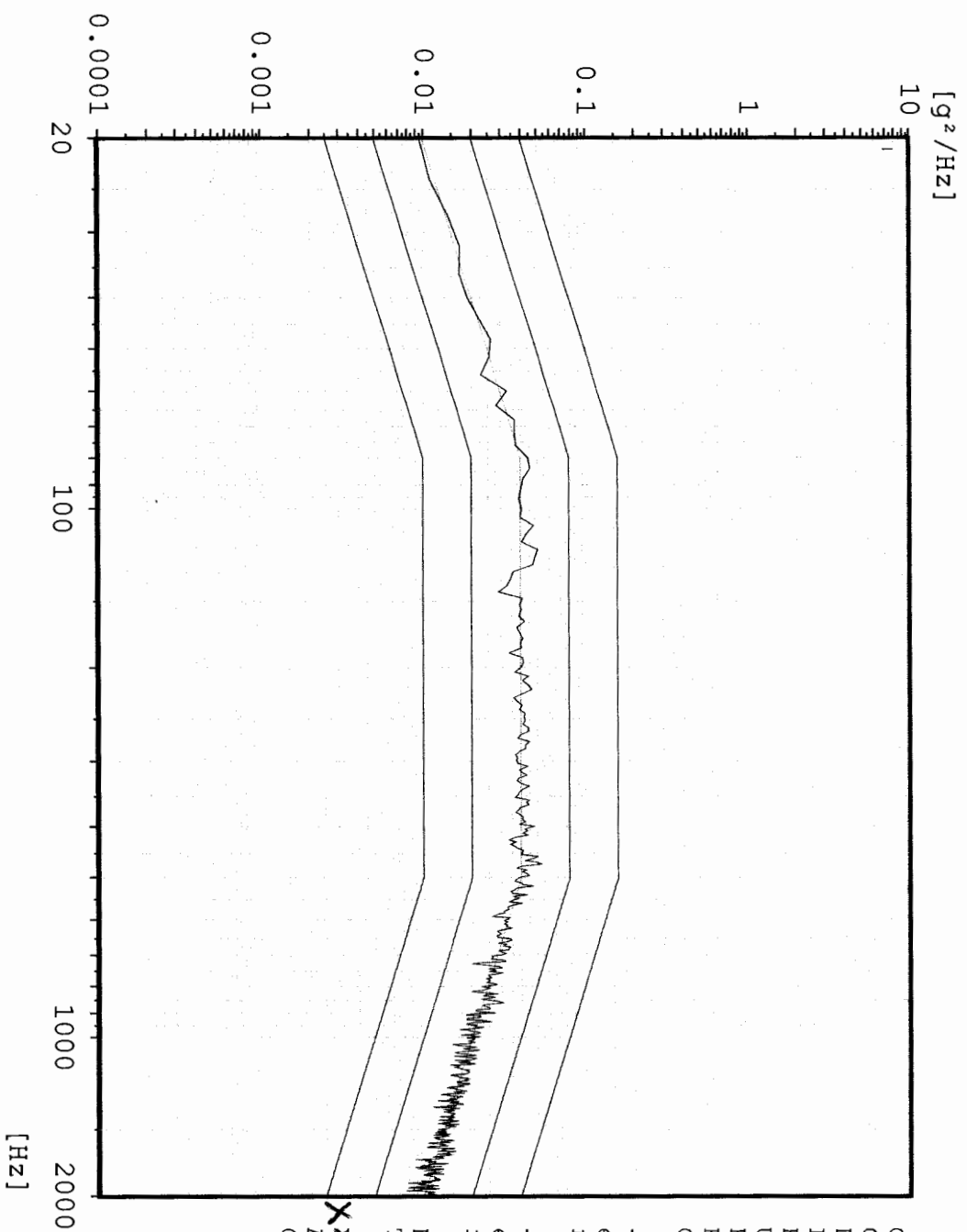
Date: 01-25-05
Time: 12:52:14

X - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```

Random
Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS

CX1 Control



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.833 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

-- Time total --
elapsed: 000:02:53
remaining: 000:00:00

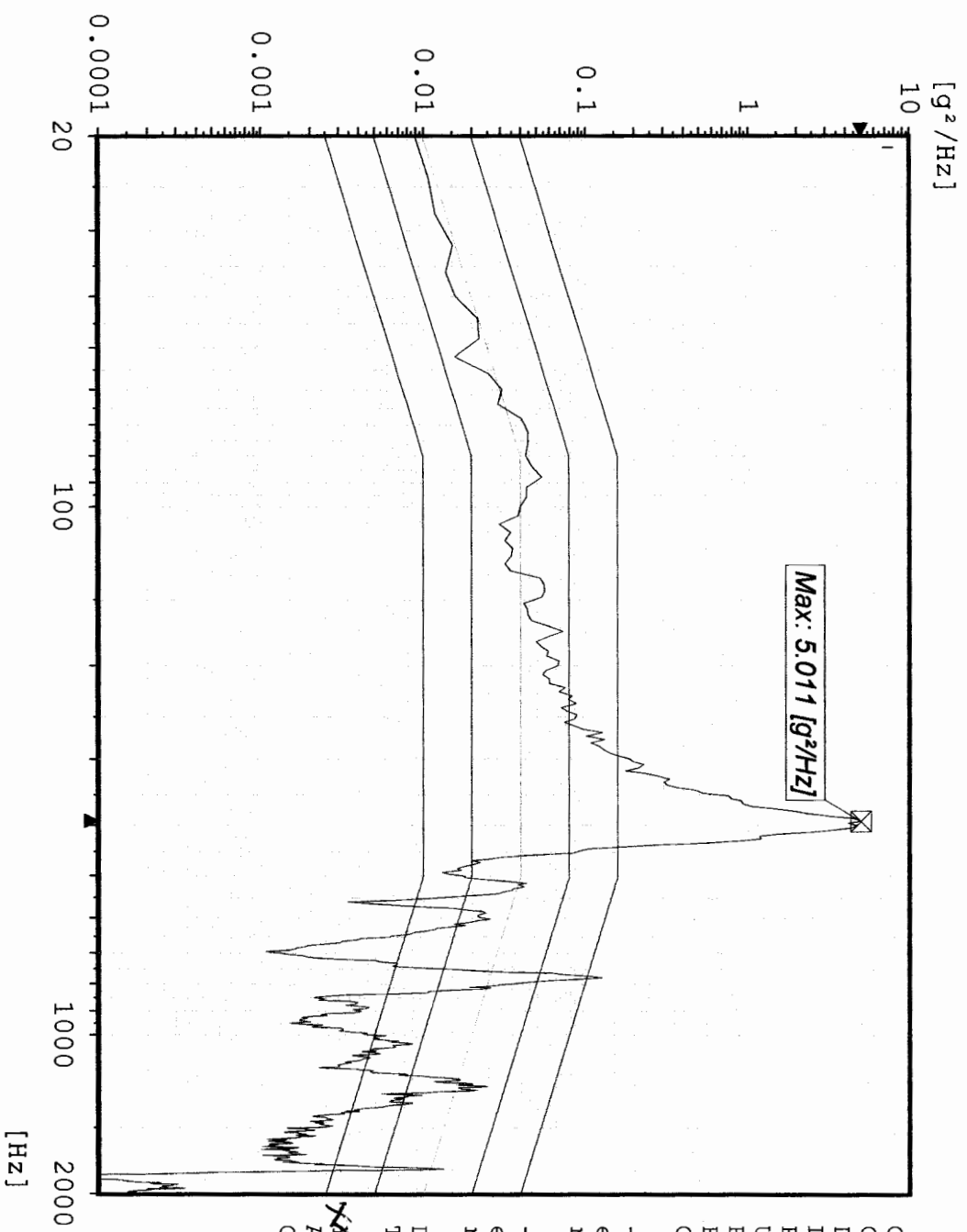
Date: 01-25-05
Time: 14:15:09

X - Axis
Acceptance Unit 1
GLAT 1753

Max: 392 Hz 5.011 g²/Hz

Random AX4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Max: 5.011 [g²/Hz]

```

Chan.no:      2
Chan.type:    M
DOF:          100
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g2/Hz
RMS (act.):   15.44 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop
  
```

```

-- Time on act. level --
elapsed:      000:01:00
remaining:    000:00:00
  
```

```

-- Time total --
elapsed:      000:02:53
remaining:    000:00:00
  
```

```

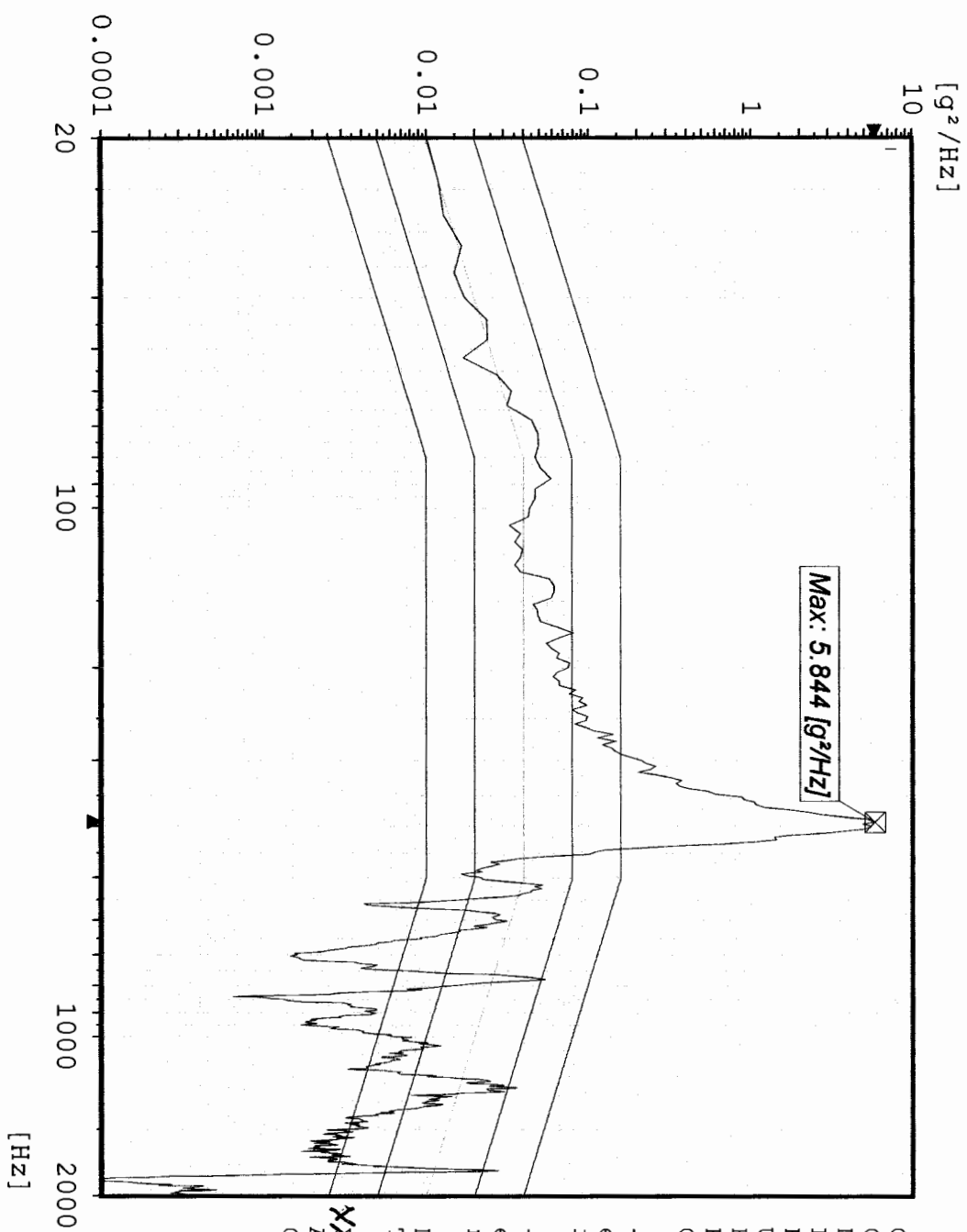
Date:         01-25-05
Time:         14:15:09
  
```

```

X - Axis
Acceptance Unit 1
GLAT 1753
  
```

Random AX3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



```

Chan.no:      3
Chan.type:    M
DOF:          100
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g2/Hz
RMS (act.):   16.62 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop
  
```

```

-- Time on act. level --
elapsed:      000:01:00
remaining:    000:00:00
  
```

```

-- Time total --
elapsed:      000:02:53
remaining:    000:00:00
  
```

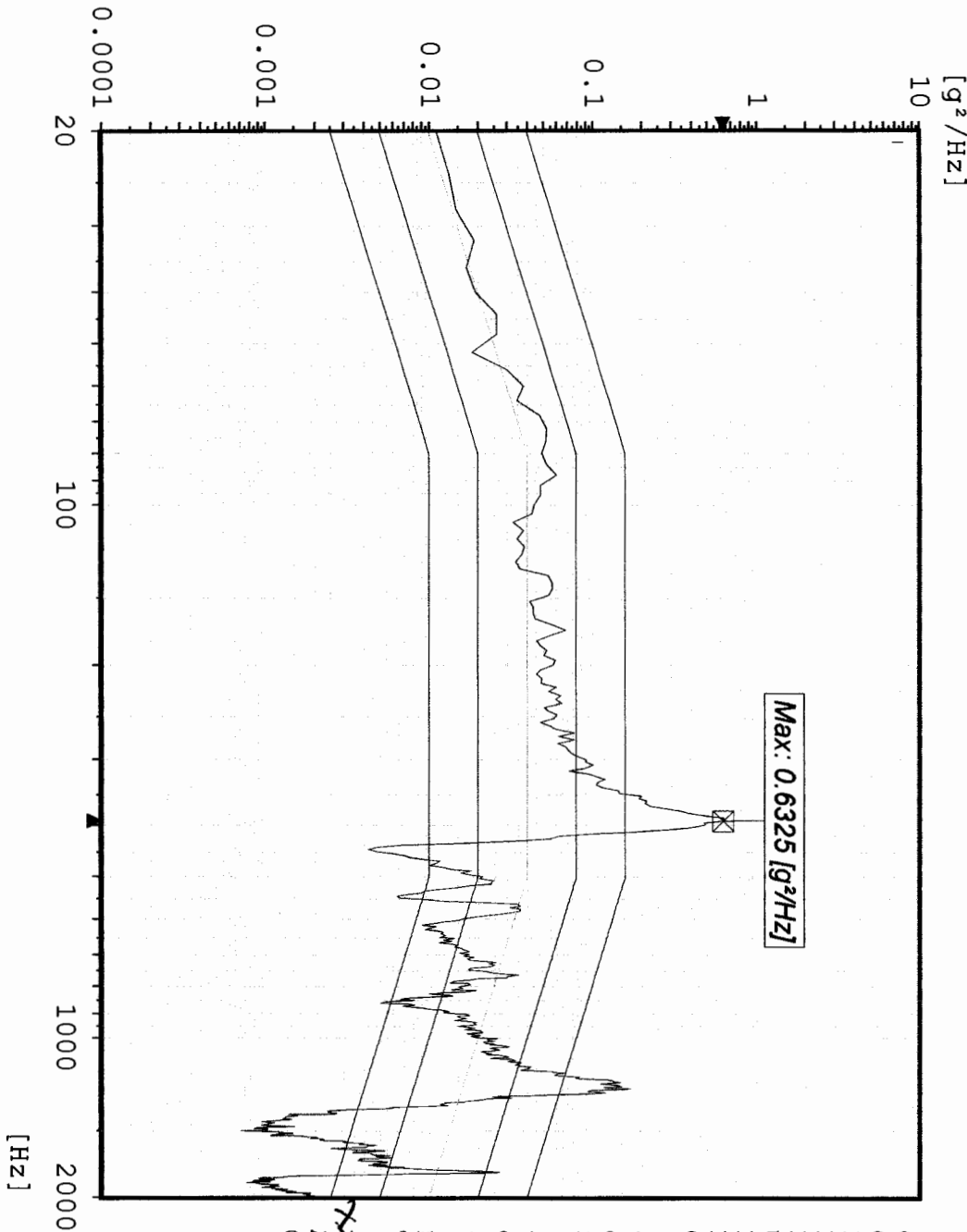
```

Date:         01-25-05
Time:         14:15:09
  
```

XL - Axis
Acceptance Unit 1
GIAT 1753

Random
Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS

AX1 TEM Edge center



Chan.no: 7
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 8.554 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act, level --
 elapsed: 000:01:00
 remaining: 000:00:00

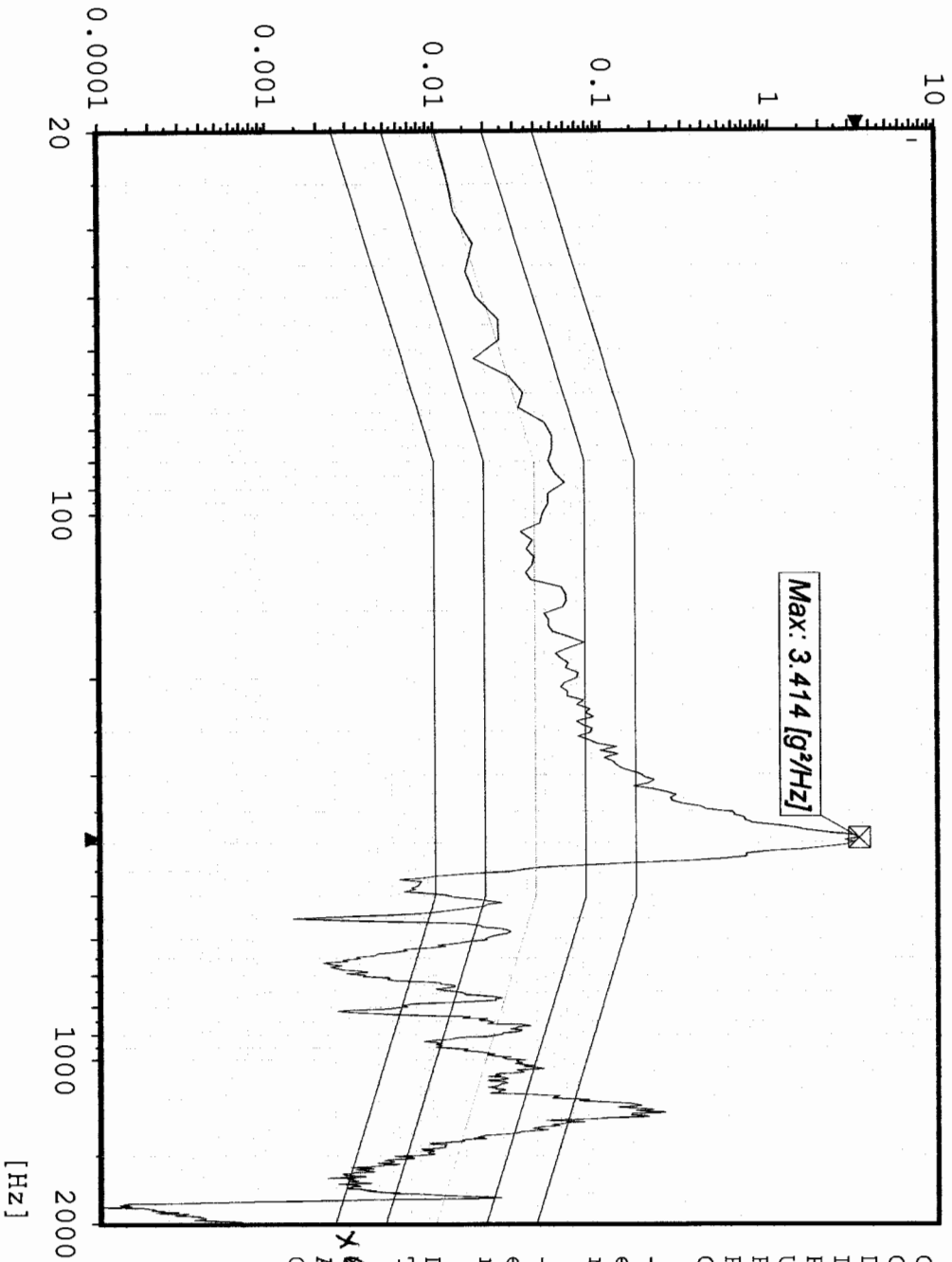
-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 01-25-05
 Time: 14:15:09

XX - Axis
 Acceptance Unit 1
 GIAT 1753

Random
Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS

AX2 TPS CG



Max: 3.414 [g²/Hz]

Chan.no: 10
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 13.96 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

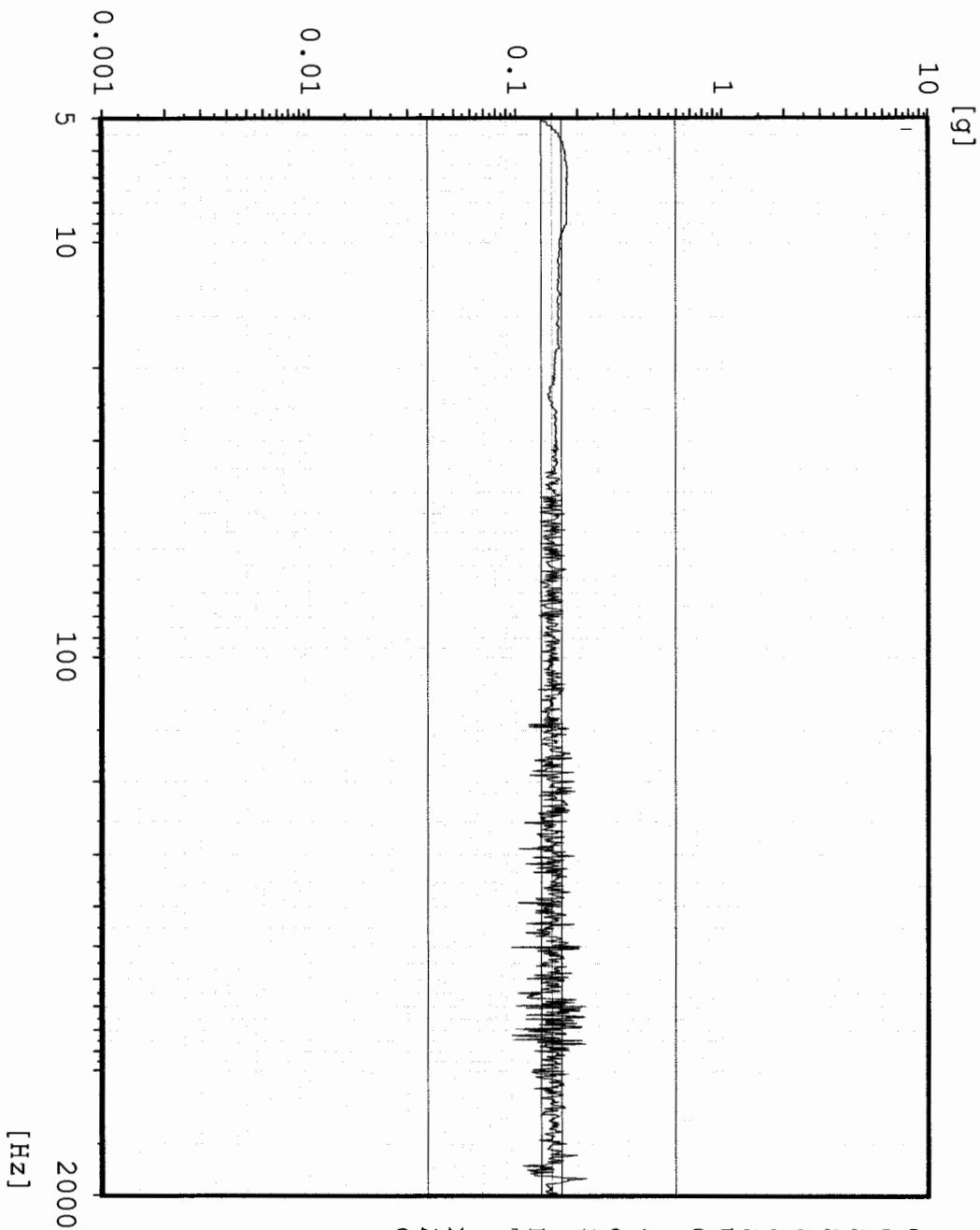
-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 01-25-05
 Time: 14:15:09

* - Axis
 Acceptance Unit 1
 GIAT 1753

Sine CX1 Control channel

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:30:29

X - axis Post-Random
Acceptance Unit 1
GLAT 1753

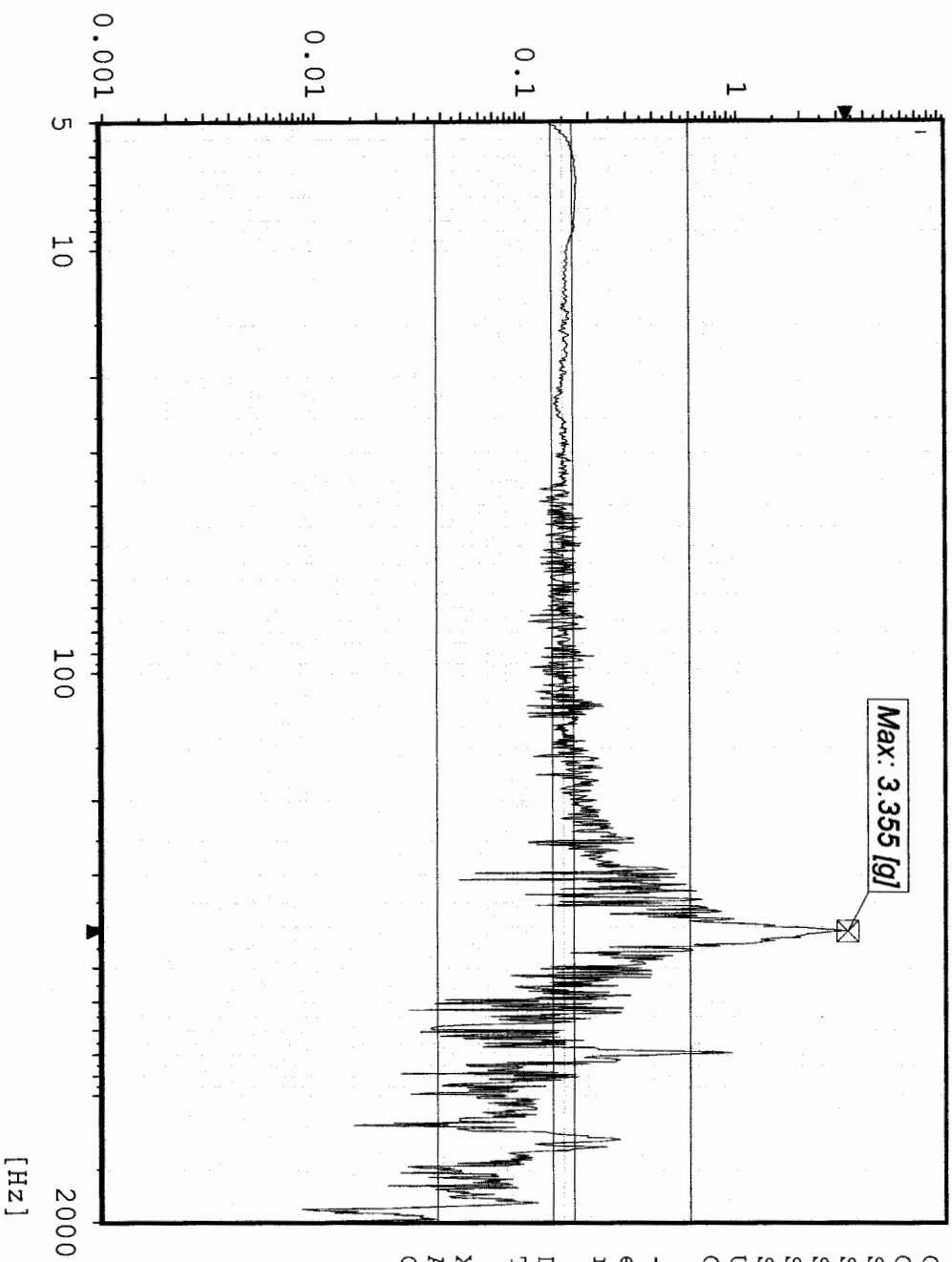
Max: 409 Hz 3.355 g

Sine AX4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



Max: 3.355 [g]

```

Chan.no: 2
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:30:29

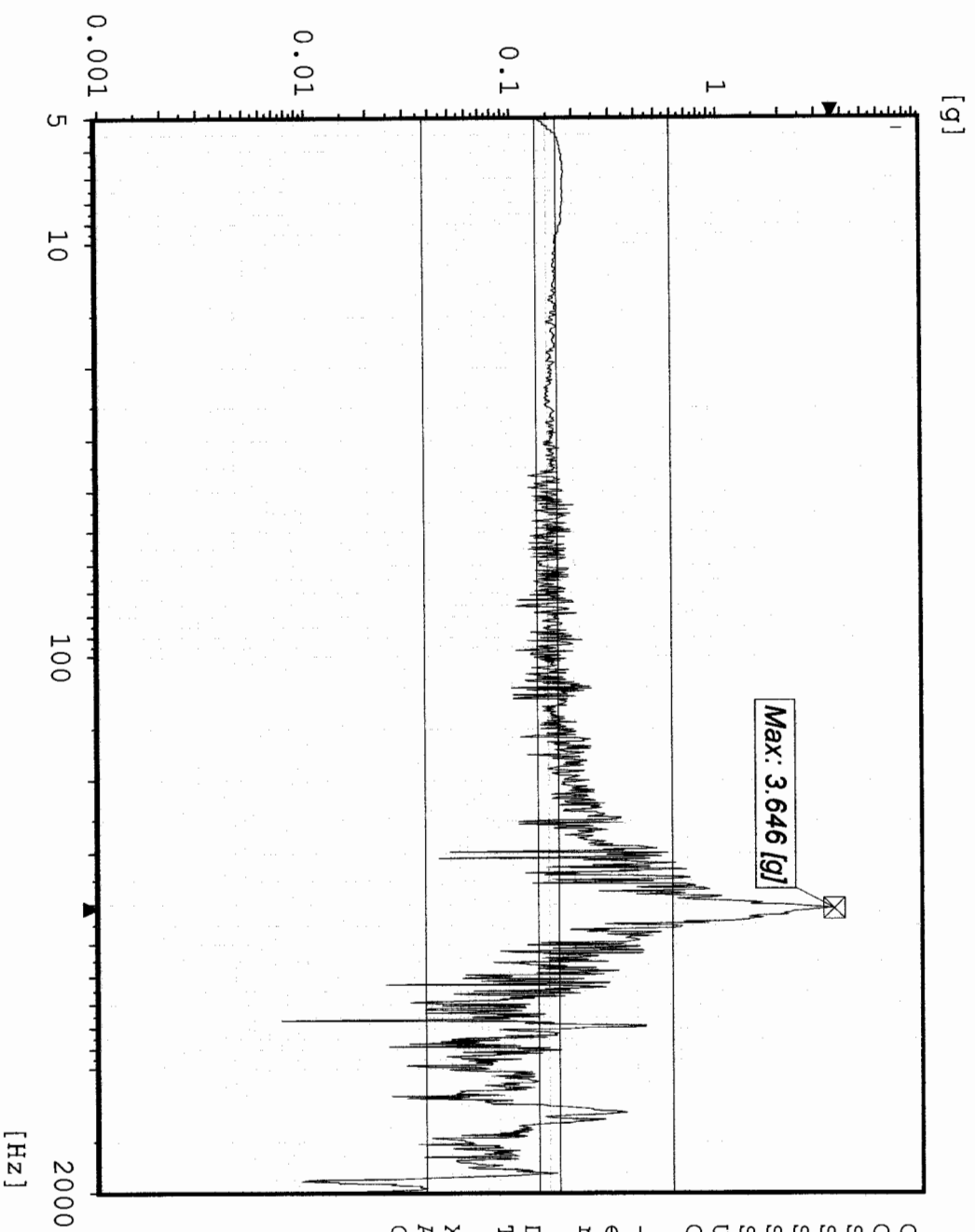
X - axis Post-Random
Acceptance Unit 1
GLAT 1753

```

Max: 409 Hz 3.646 g

Sine AX3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:30:29

X - axis Post-Random
Acceptance Unit 1
GLAT 1753

```

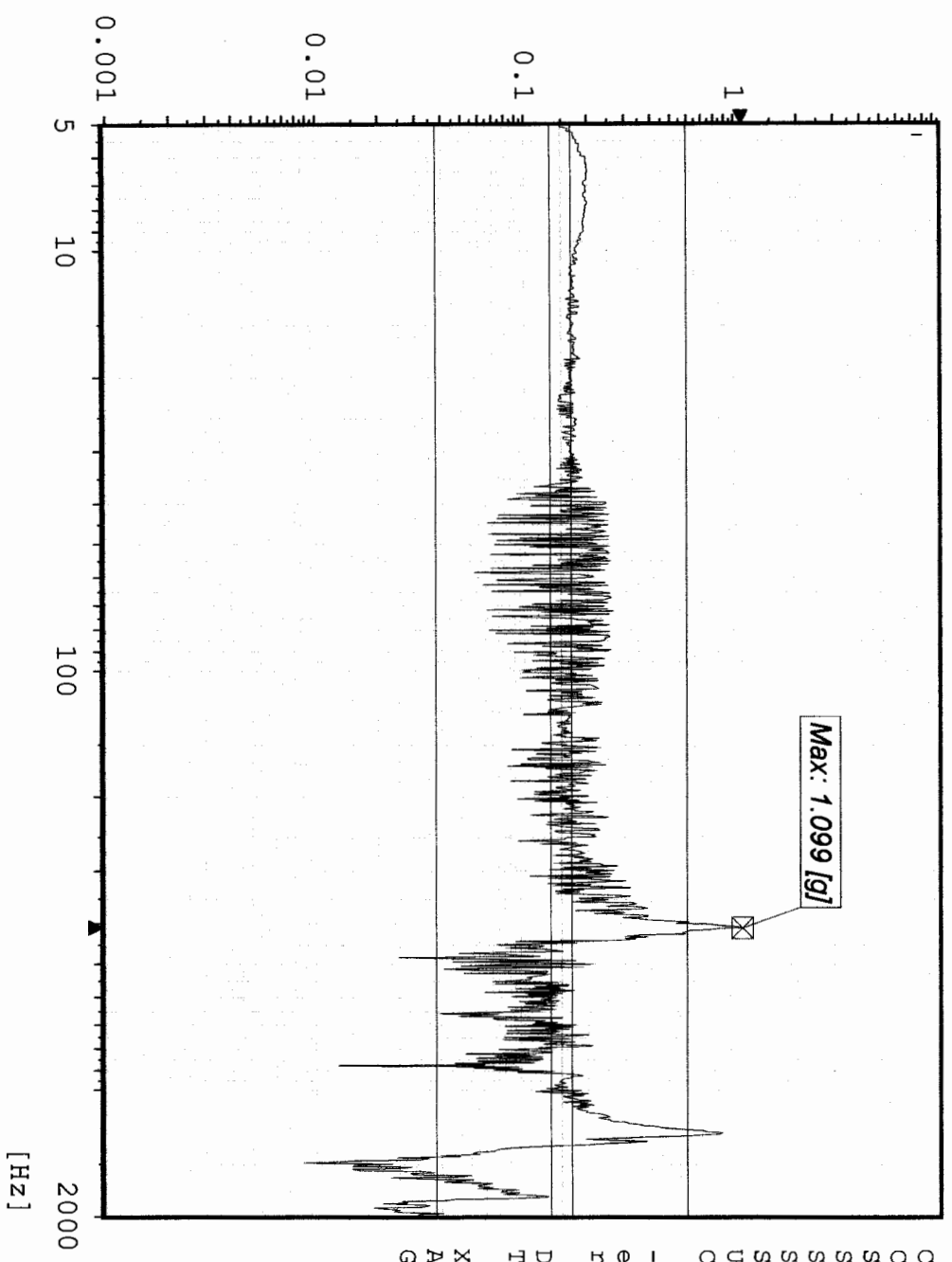
Max: 409 Hz 1.099 g

Sine AXI TEM Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



```

Chan.no: 7
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:30:29

X - axis Post-Random
Acceptance Unit 1
GLAT 1753

```

Max: 409 Hz 2.735 g

Sine Stanford Linear Accelerator

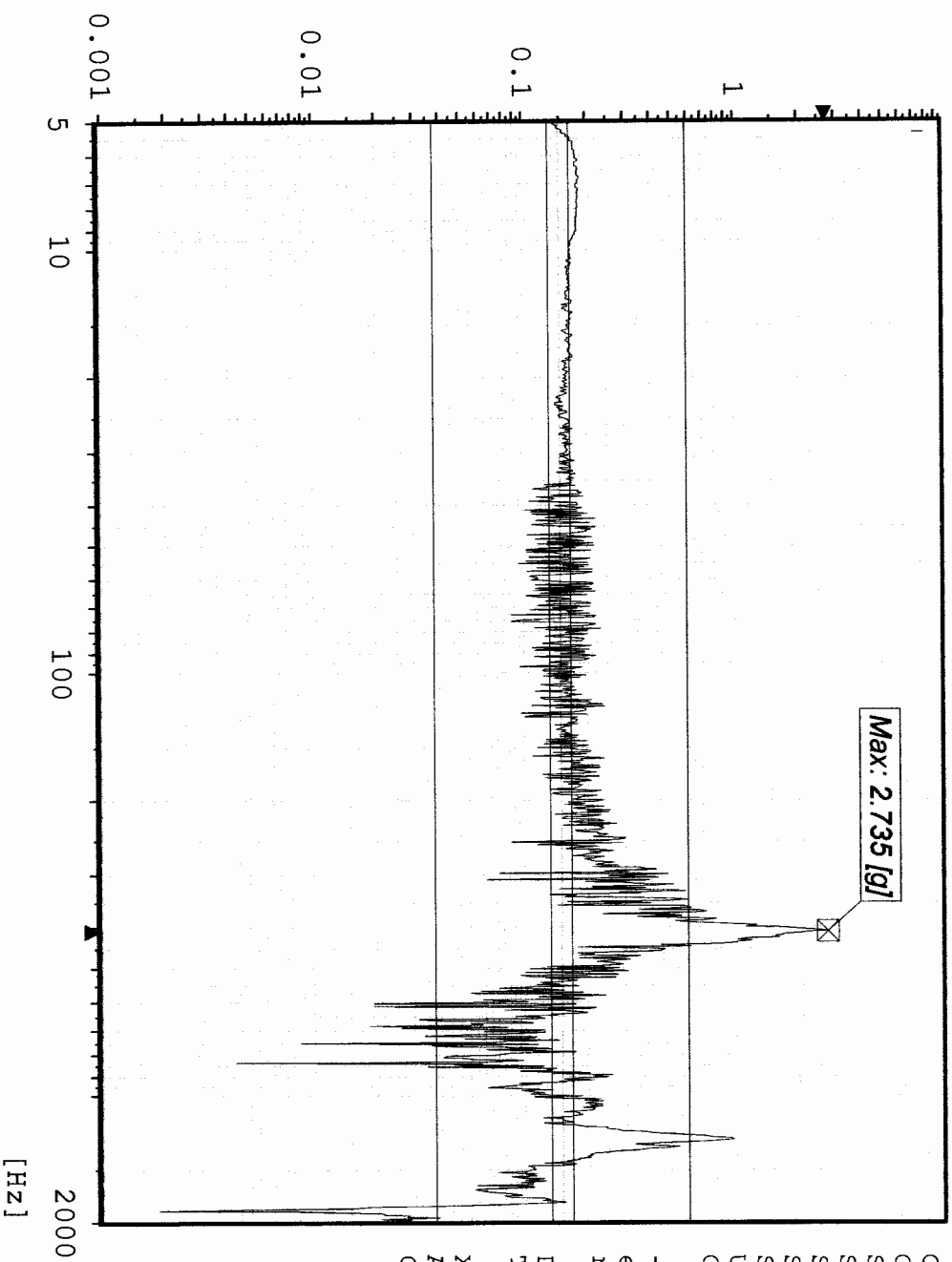
AX2 TPS CG

J/N 49995.51758

TEM / TPS



[g]



Max: 2.735 [g]

Chan.no: 10 M Filtered

Sweep type: logarithmic

Sweeps done: 1

Sweeps req.: 1

Sweep direct.: up

Sweep rate: 4.00 Oct/min

Unit: g

Contr.strat.: Closed Loop

-- Testing time --

elapsed: 000:02:09

remaining: 000:00:00

Date: 01-25-05

Time: 14:30:29

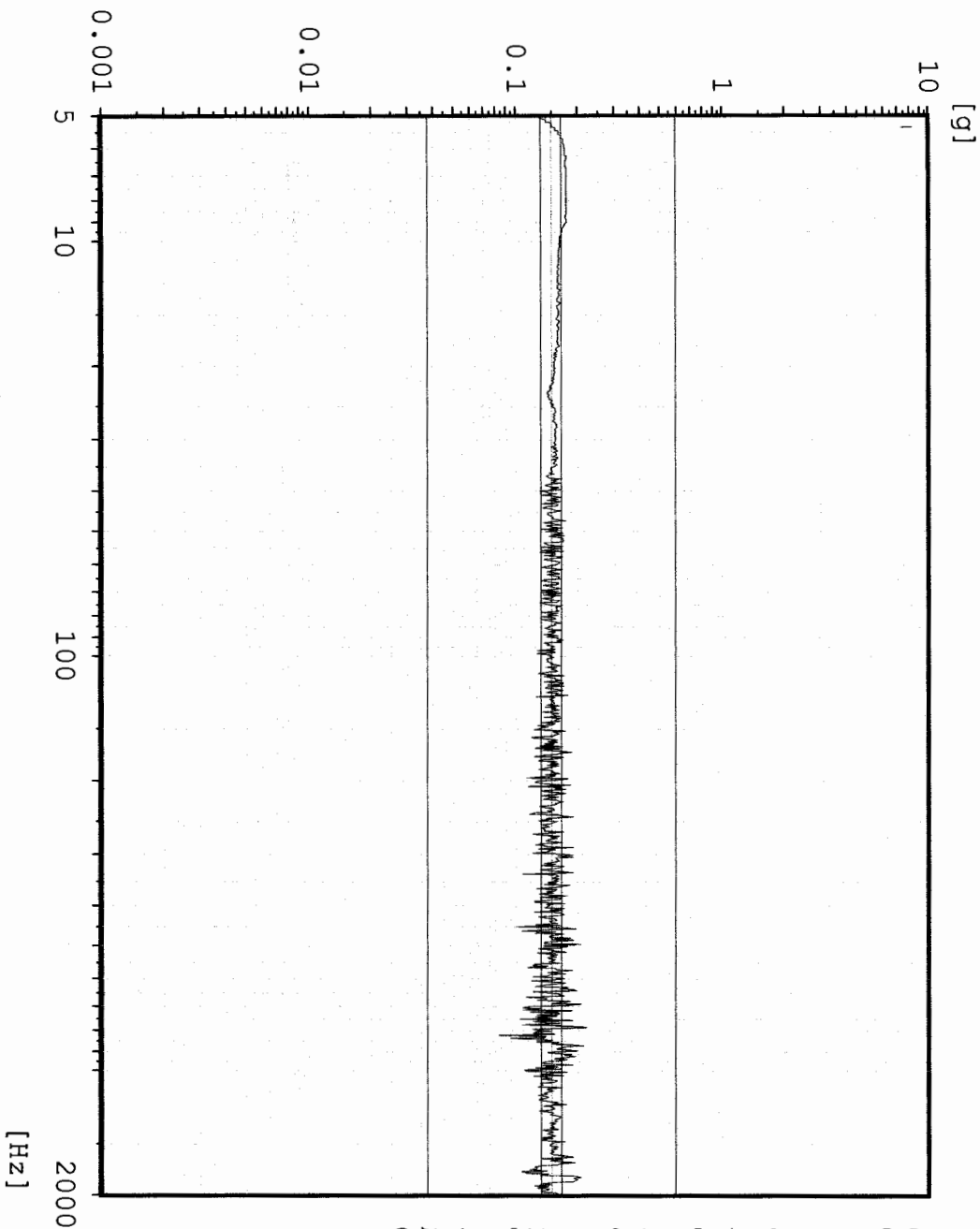
X - axis Post-Random

Acceptance Unit 1

GIAT 1753

Sine CY1 Control channel

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:54:59

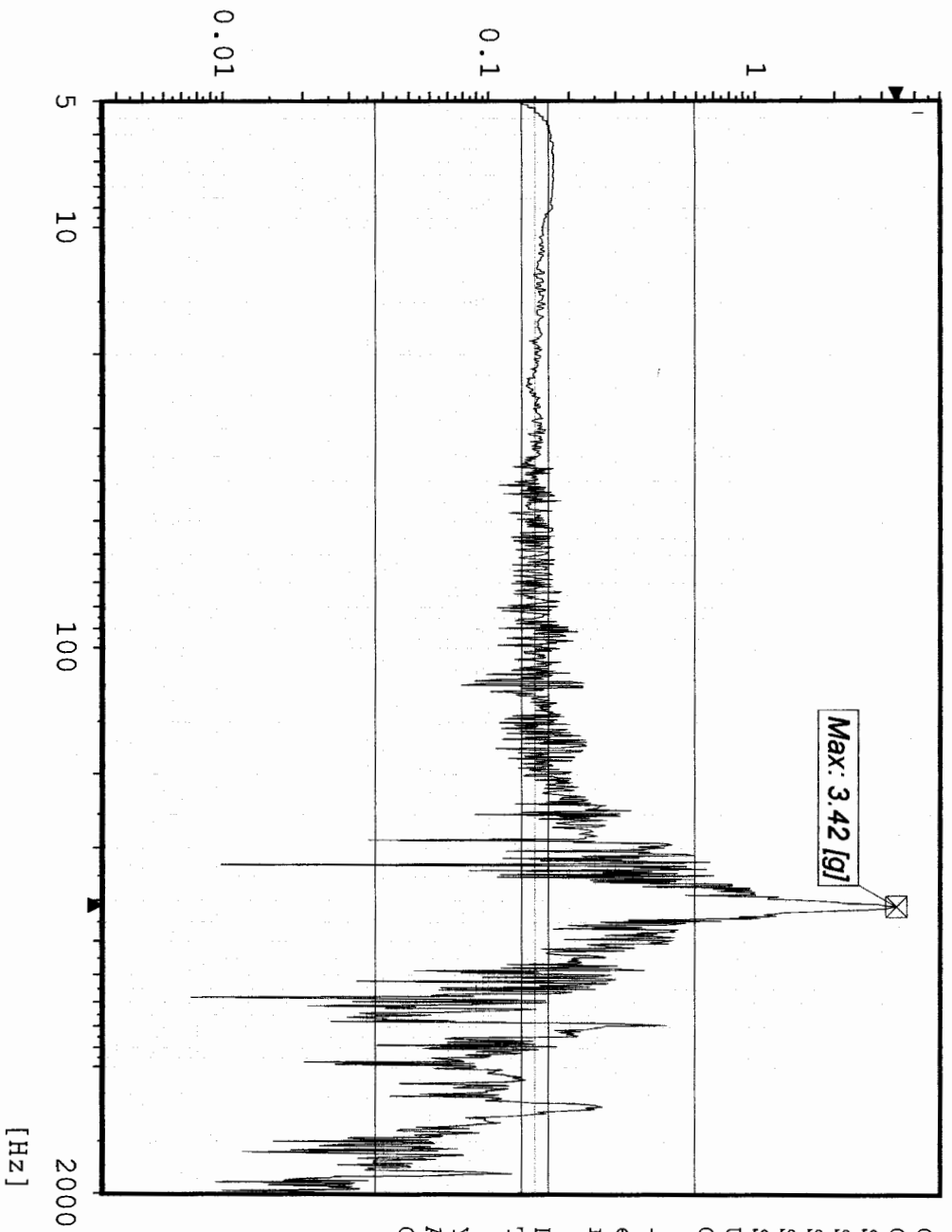
Y - axis Pre-Random
Acceptance Unit 1
GLAT 1753

Sine AY4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



```

Chan.no: 2
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:54:59

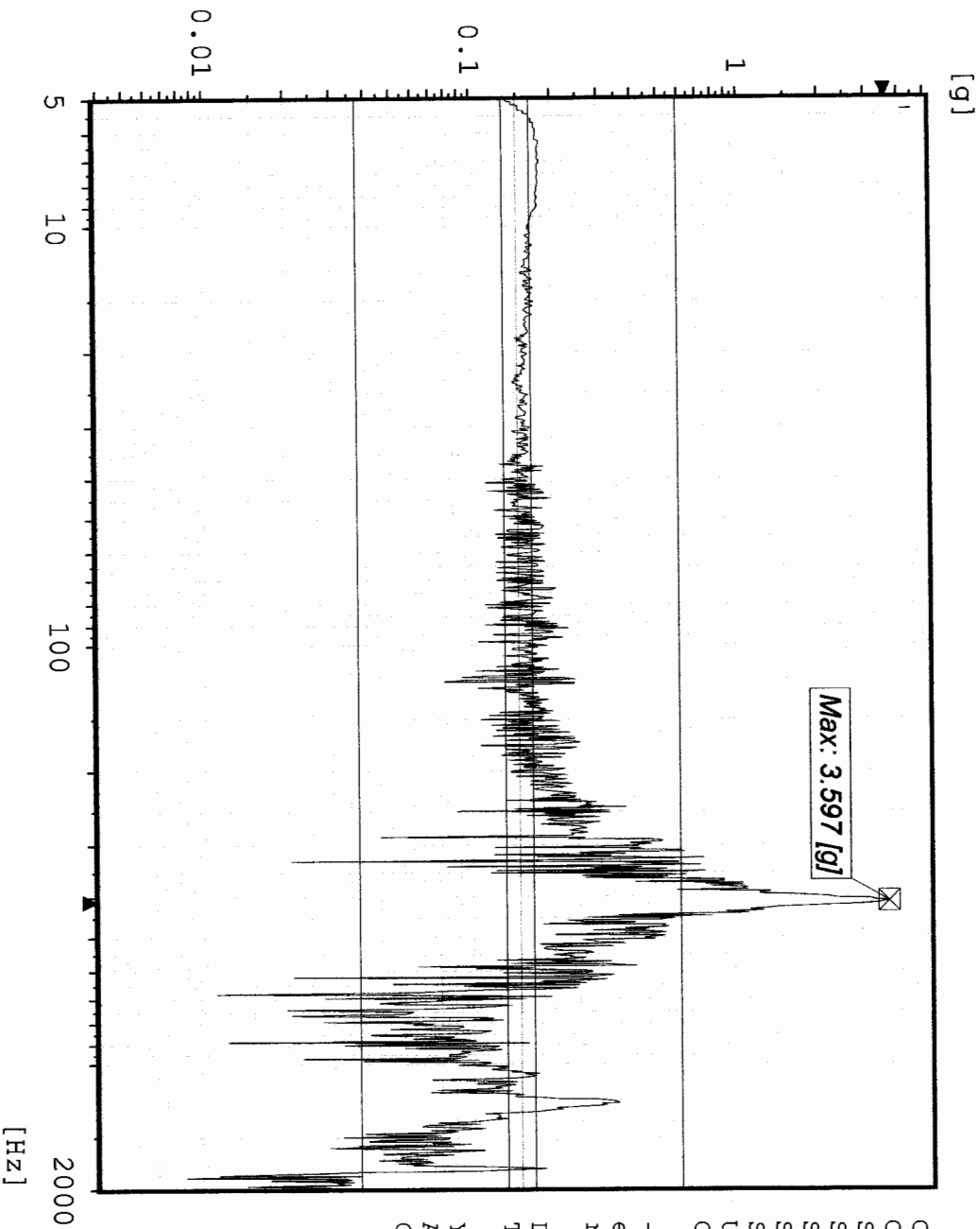
Y - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```


Max: 411.4 Hz 3.597 g

Sine AY3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Max: 3.597 [g]

```

Chan.no: 3 M Filtered
Chan.type:
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed Loop

```

```

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

```

```

Date: 01-25-05
Time: 14:54:59

```

```

Y - axis Pre-Random
Acceptance Unit 1
GIAT 1753

```

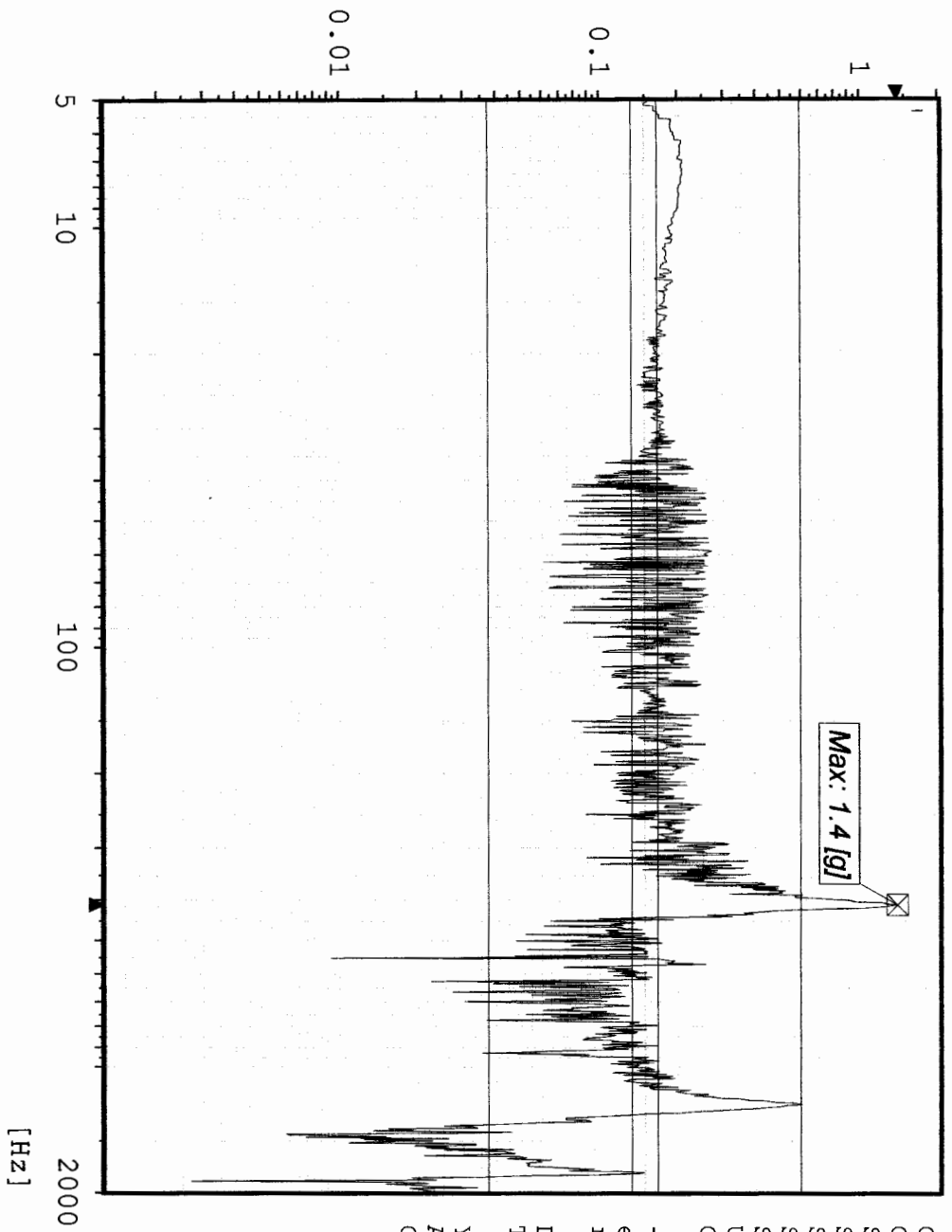
Max: 411.4 Hz 1.4 g

Sine AY1 TEM Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



```

Chan.no: 7
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 14:54:59

Y - axis Pre-Random
Acceptance Unit 1
GLAT 1753
  
```

Max: 411.4 Hz 2.918 g

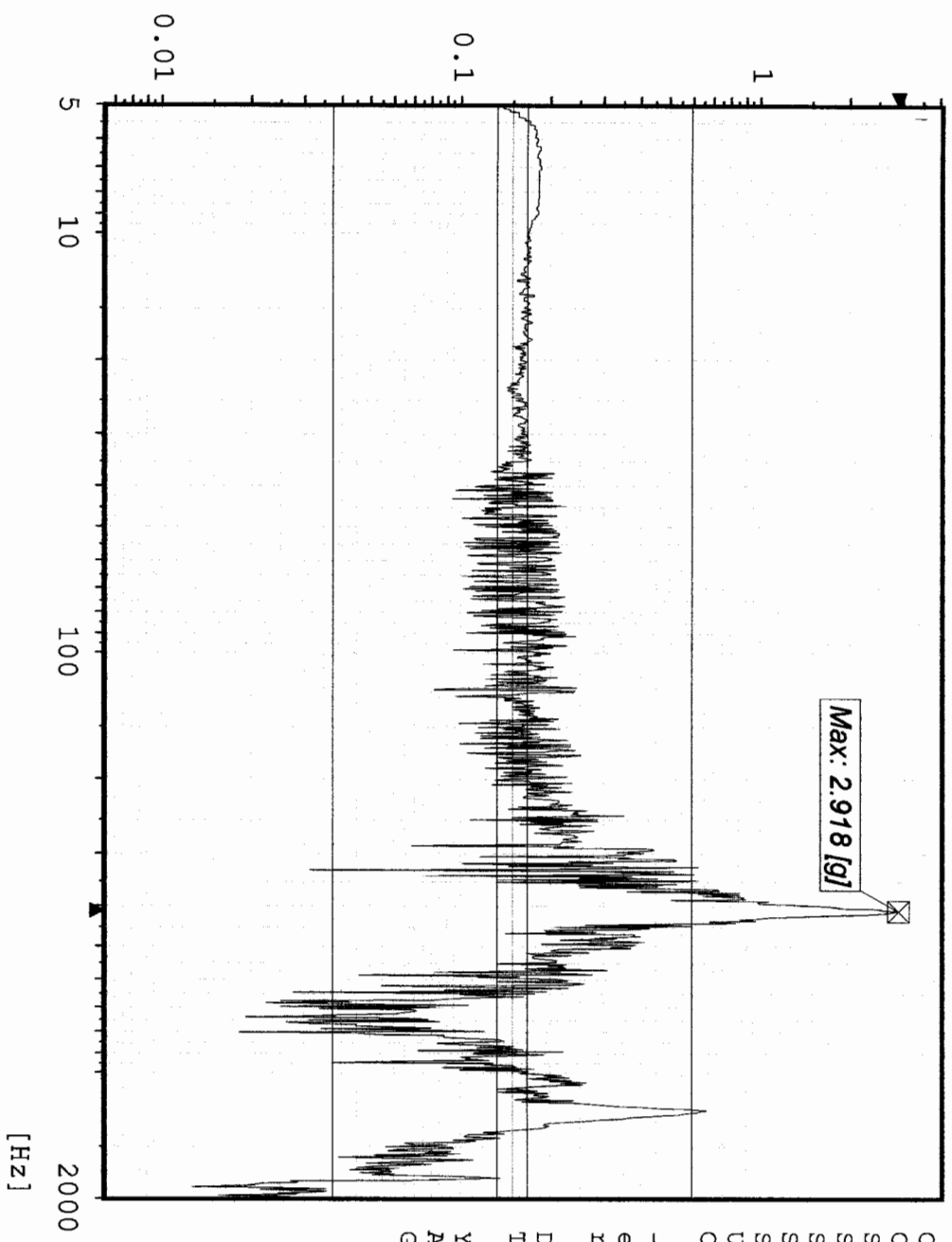
Sine
Stanford Linear Accelerator

AY2 TPS CG

J/N 49995.51758

TEM / TPS

[g]



Chan.no: 10 M Filtered
 Chan.type: logarithmic
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 14:54:59

Y - axis Pre-Random
 Acceptance Unit 1
 GIAT 1753

Random

CY1 Control

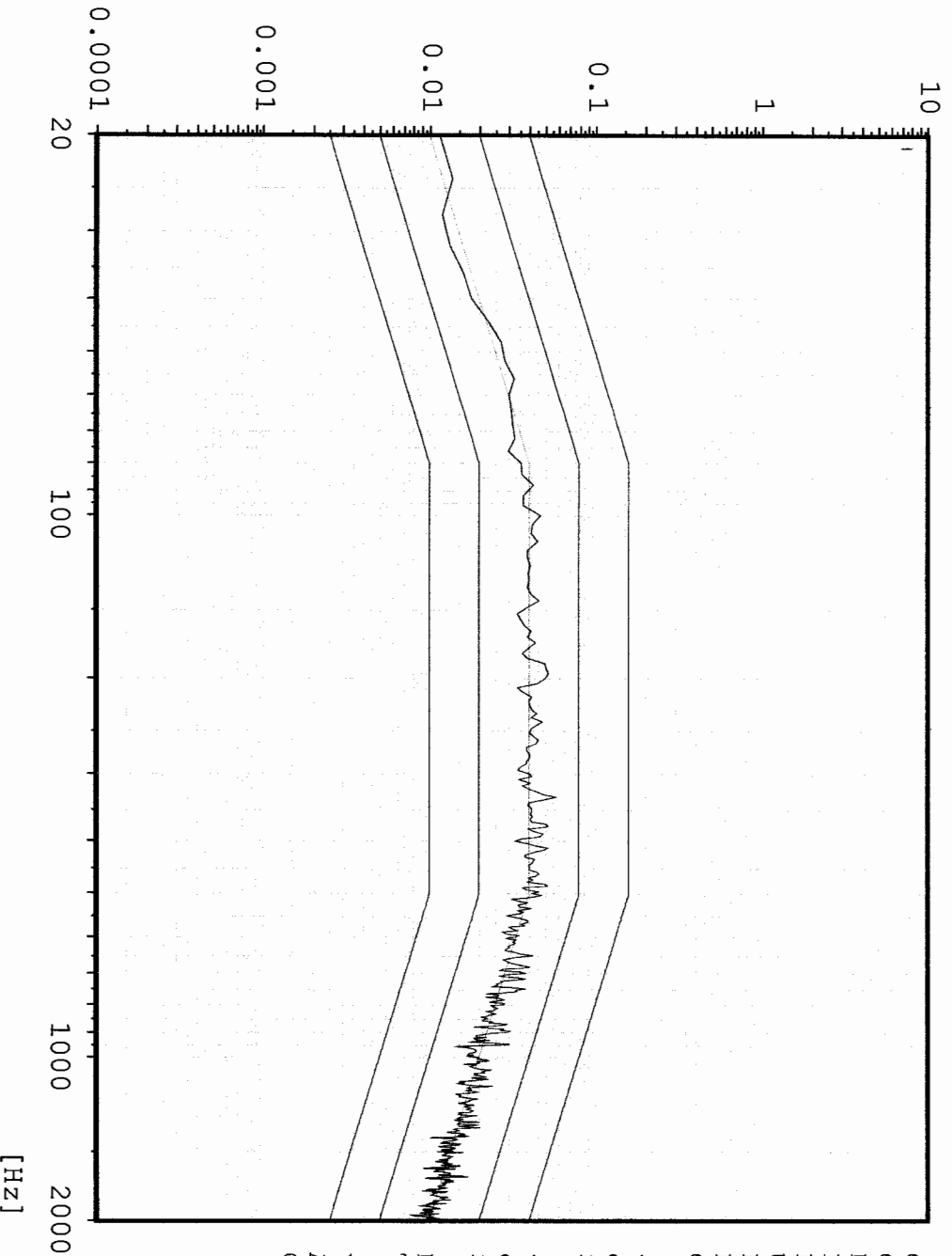
Stanford Linear Accelerator

J/N 49995.51758

TEM & TPS



[g²/Hz]



```

Chan.no:      1
Chan.type:    C
DOF:          126
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g²/Hz
RMS (act.):   6.877 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop
  
```

```

-- Time on act. level --
elapsed:      000:01:00
remaining:    000:00:00
  
```

```

-- Time total --
elapsed:      000:02:53
remaining:    000:00:00
  
```

```

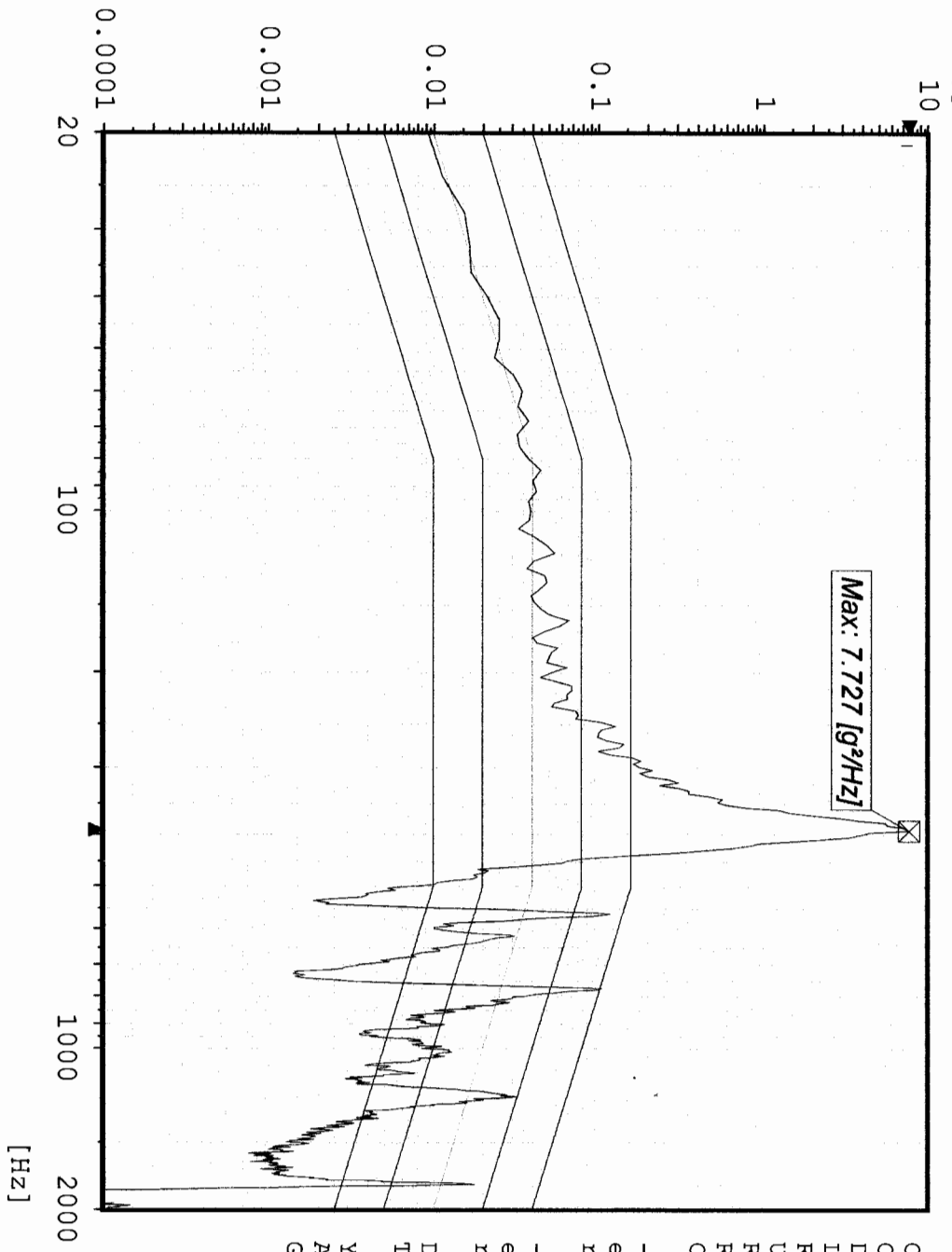
Date:         01-25-05
Time:         15:07:17
  
```

```

Y - Axis
Acceptance Unit 1
GLAT 1753
  
```

Random AY4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Chan.no: 2
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 16.76 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

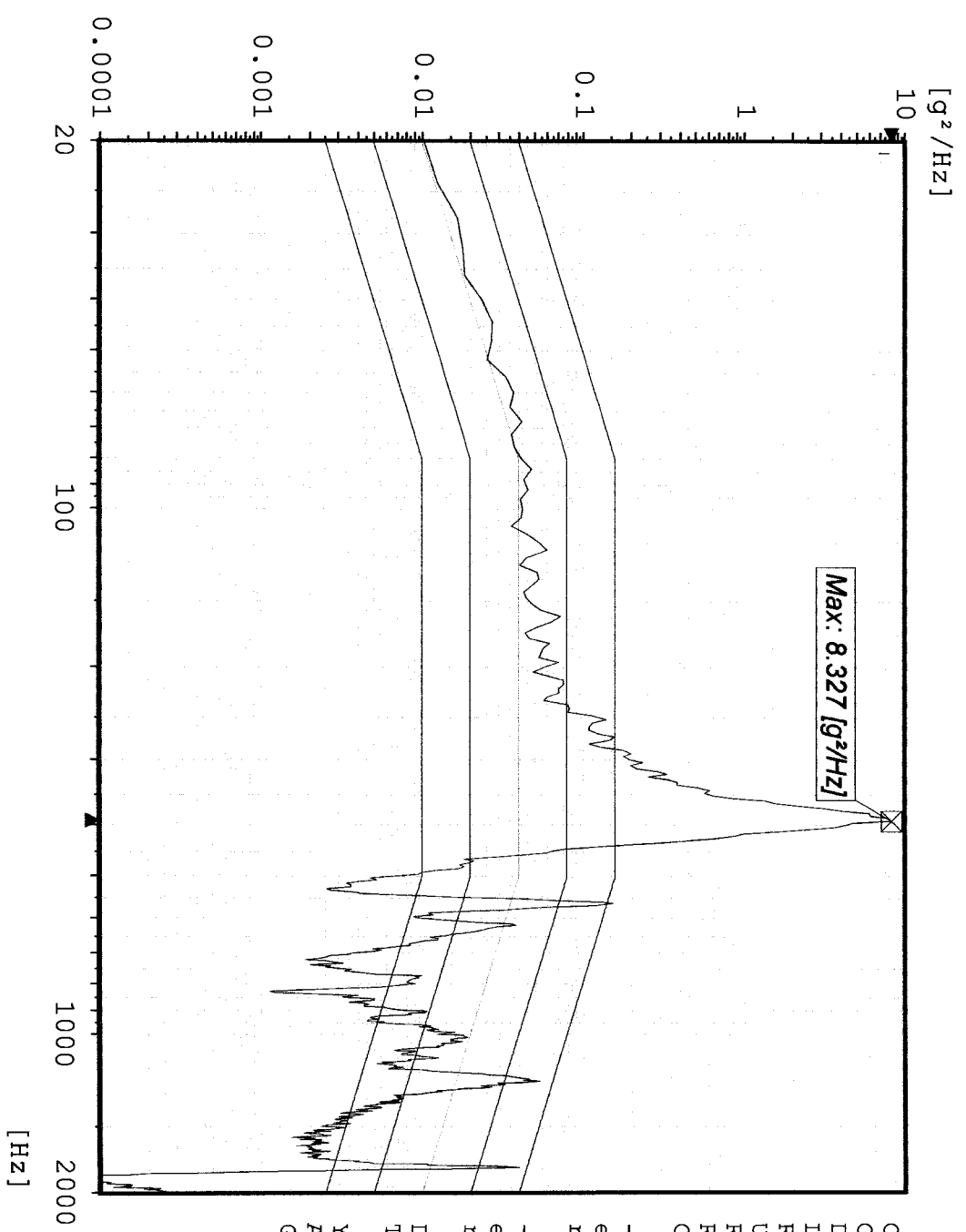
-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 01-25-05
 Time: 15:07:17

Y - Axis
 Acceptance Unit 1
 GLAT 1753

Random AY3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



```

Chan.no:      3
Chan.type:    M
DOF:          100
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g²/Hz
RMS (act.):   17.4 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop

```

```

-- Time on act. level --
elapsed:      000:01:00
remaining:    000:00:00

```

```

-- Time total --
elapsed:      000:02:53
remaining:    000:00:00

```

```

Date:         01-25-05
Time:         15:07:17

```

```

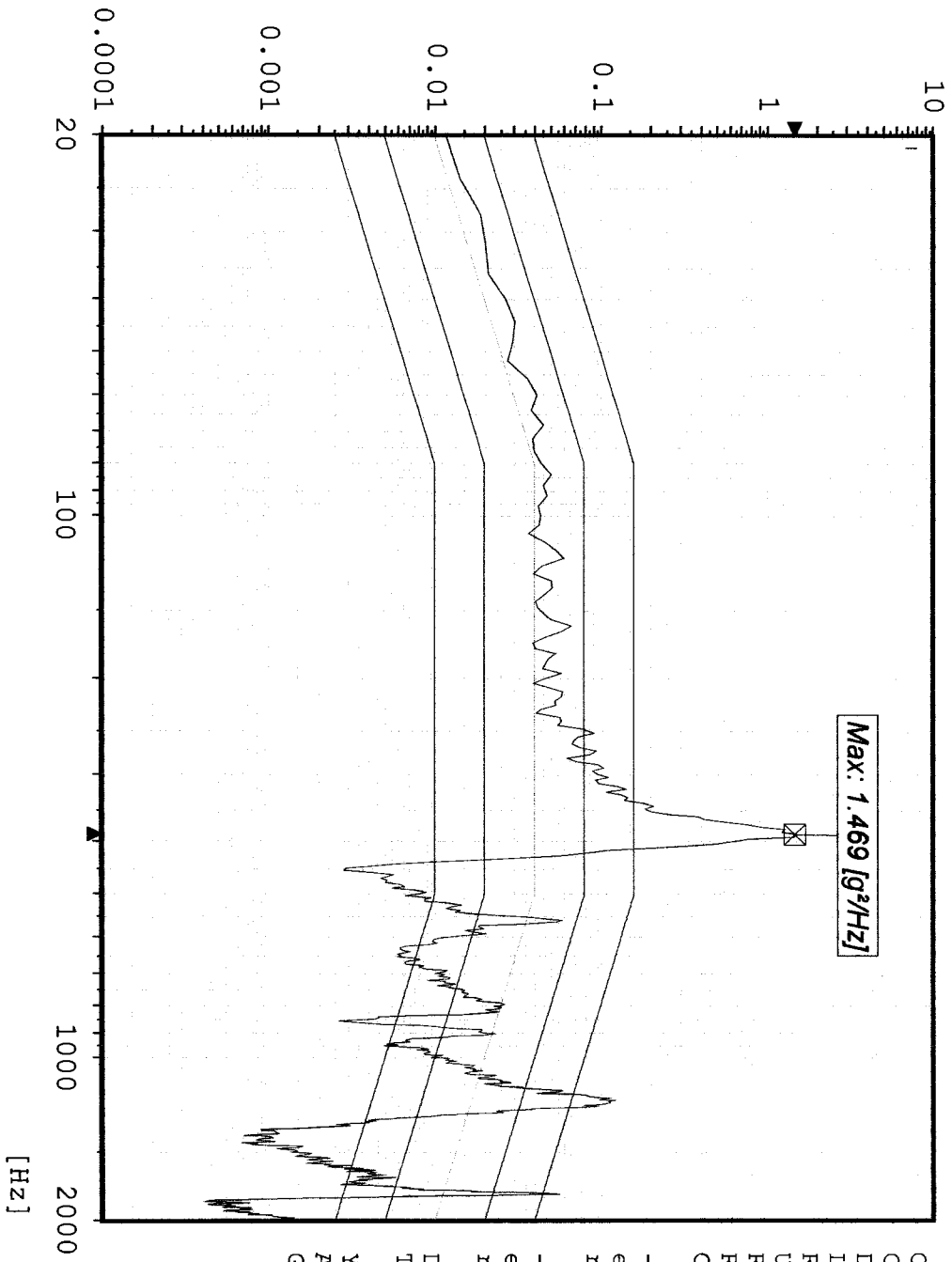
Y - Axis
Acceptance Unit 1
GLAT 1753

```

Max: 388 Hz 1.469 g²/Hz

Random AY1 TEM Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Max: 1.469 [g²/Hz]

Chan.no: 7
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 9.49 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 01-25-05
 Time: 15:07:17

Y - Axis
 Acceptance Unit 1
 GLAT 1753

Max: 392 Hz 5.331 g²/Hz

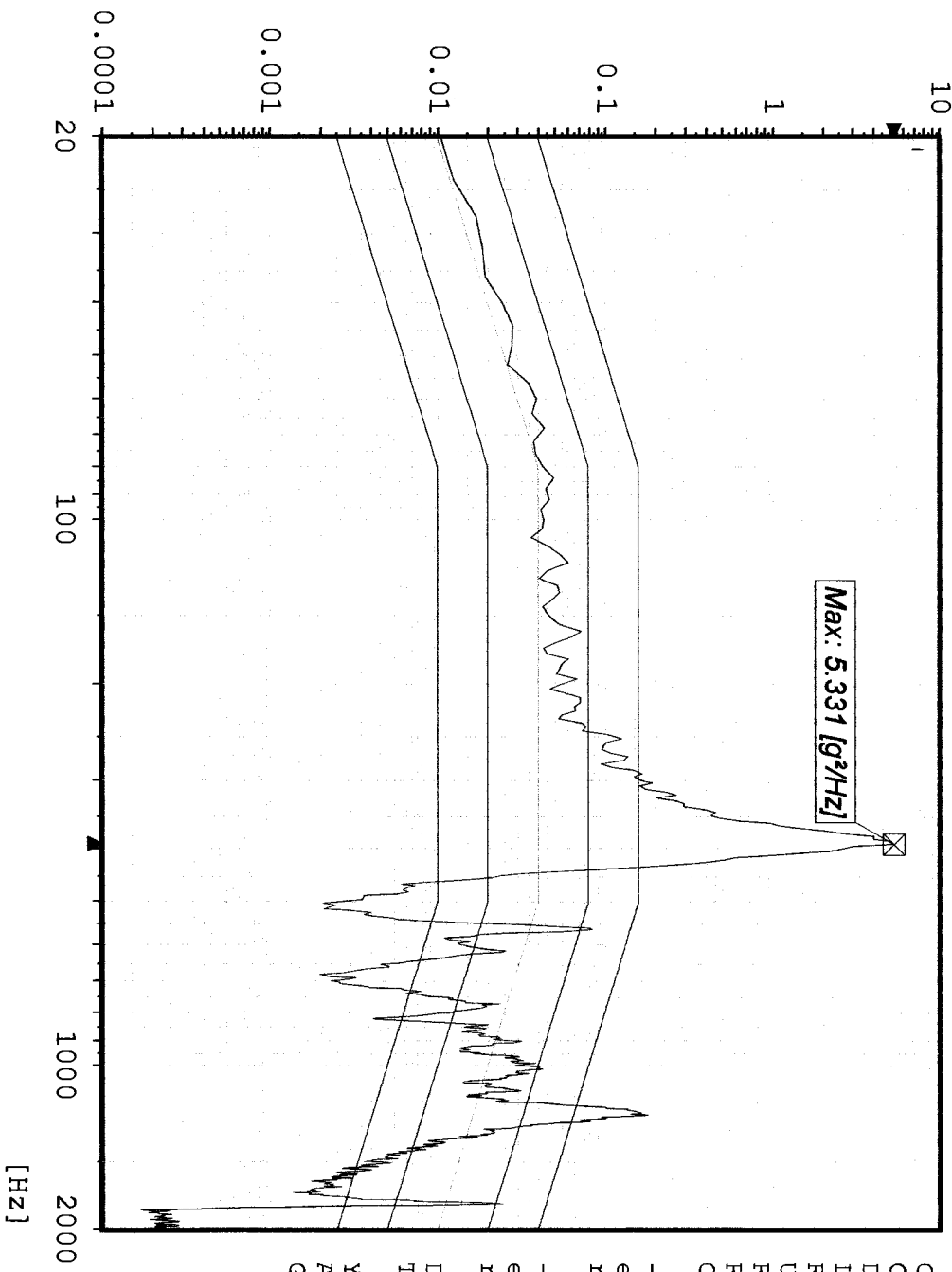
Random
Stanford Linear Accelerator

AY2 TPS CG

J/N 499995.51758

TEM & TPS

[g²/Hz]



Max: 5.331 [g²/Hz]



Chan.no: 10
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 14.88 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

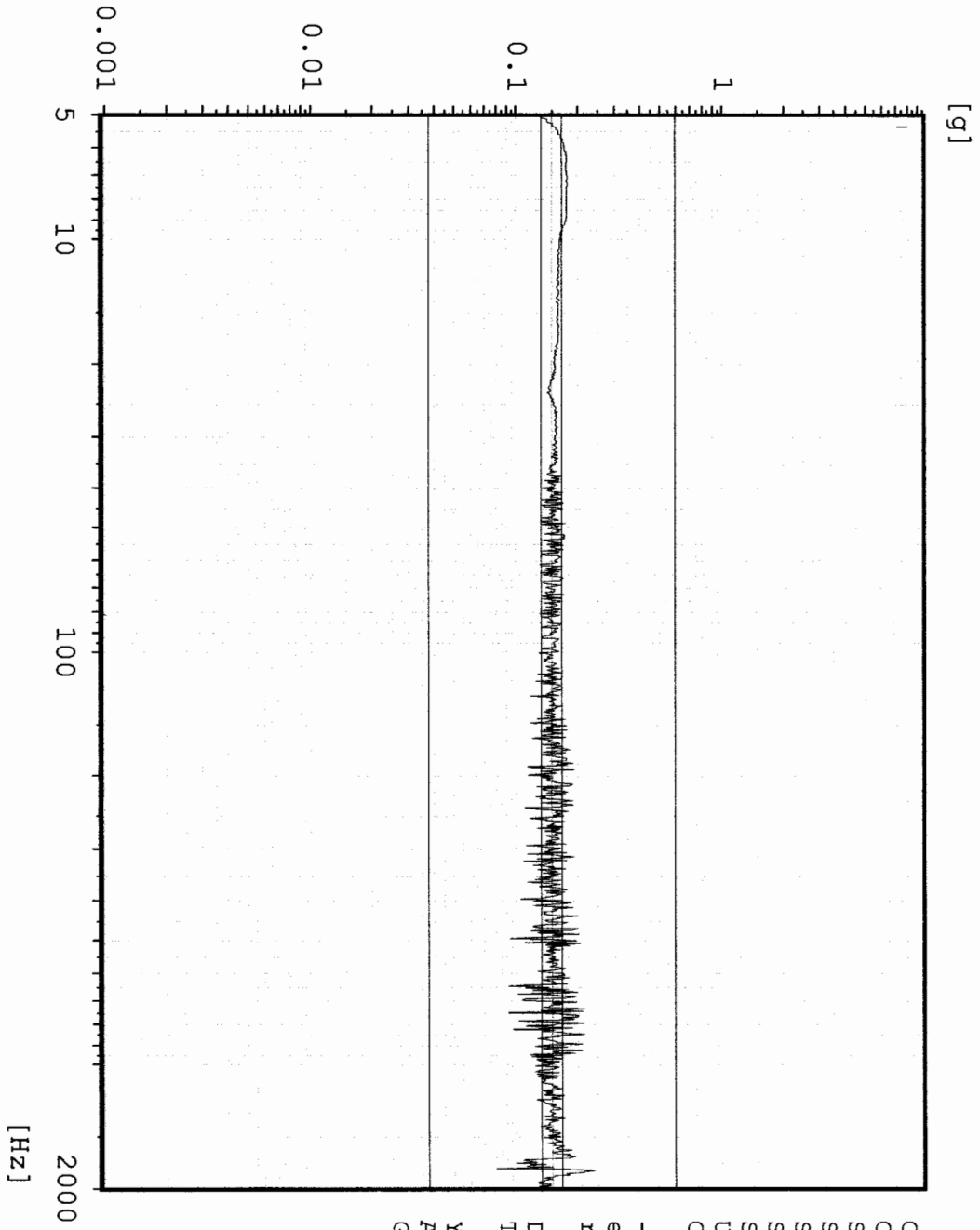
-- Time total --
 elapsed: 000:02:53
 remaining: 000:00:00

Date: 01-25-05
 Time: 15:07:17

Y - Axis
 Acceptance Unit 1
 GLAT 1753

Sine CY1 Control channel

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 15:13:47

Y - axis Post-Random
Acceptance Unit 1
GIAT 1753

Max: 404.2 Hz 4.326 g

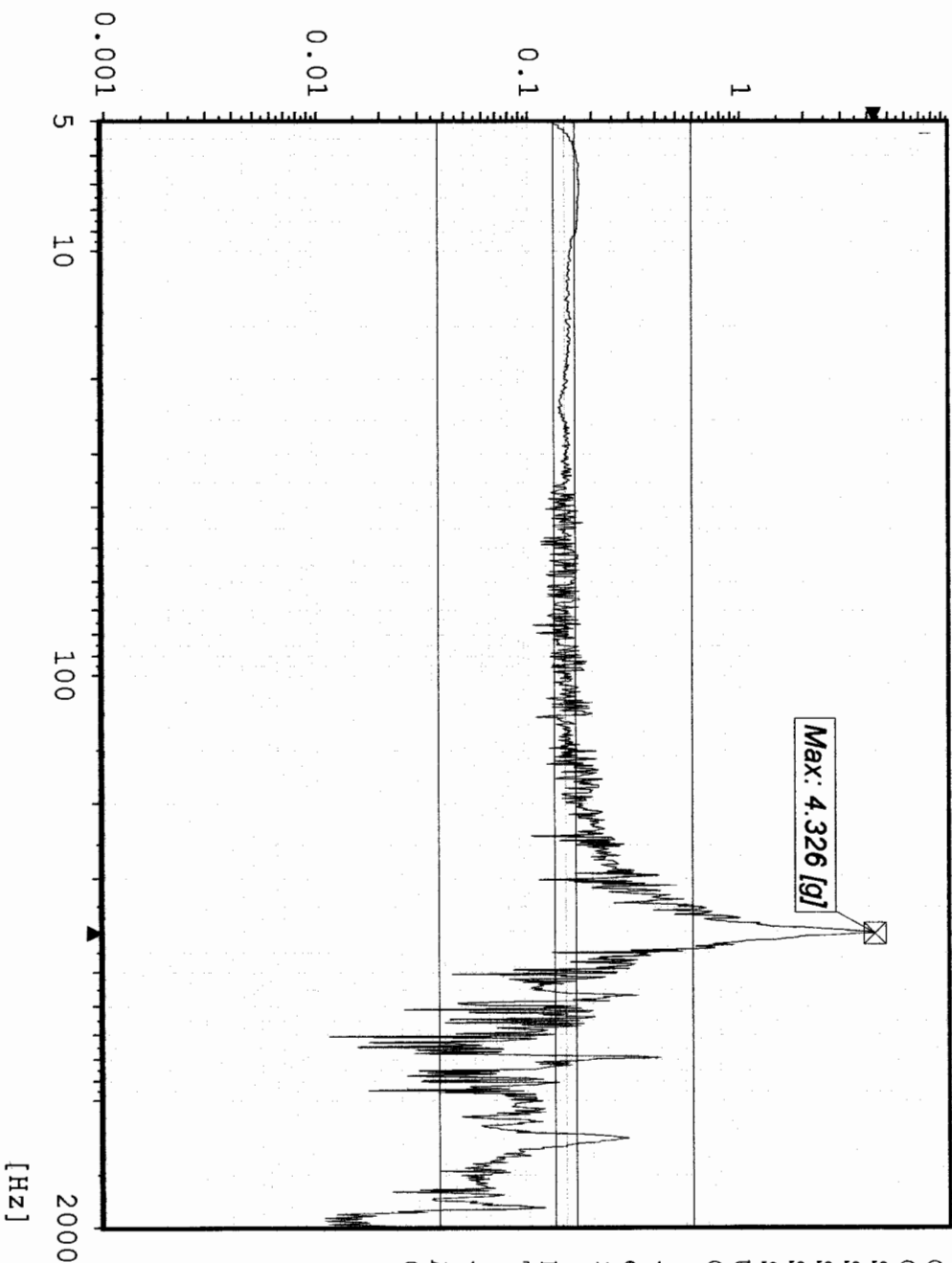
Sine AY4 TPS Top edge

Stanford Linear Accelerator
J/N 49995.51758

TEM / TPS



[g]



Chan.no: 2 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 15:13:47

Y - axis Post-Random
Acceptance Unit 1
GLAT 1753

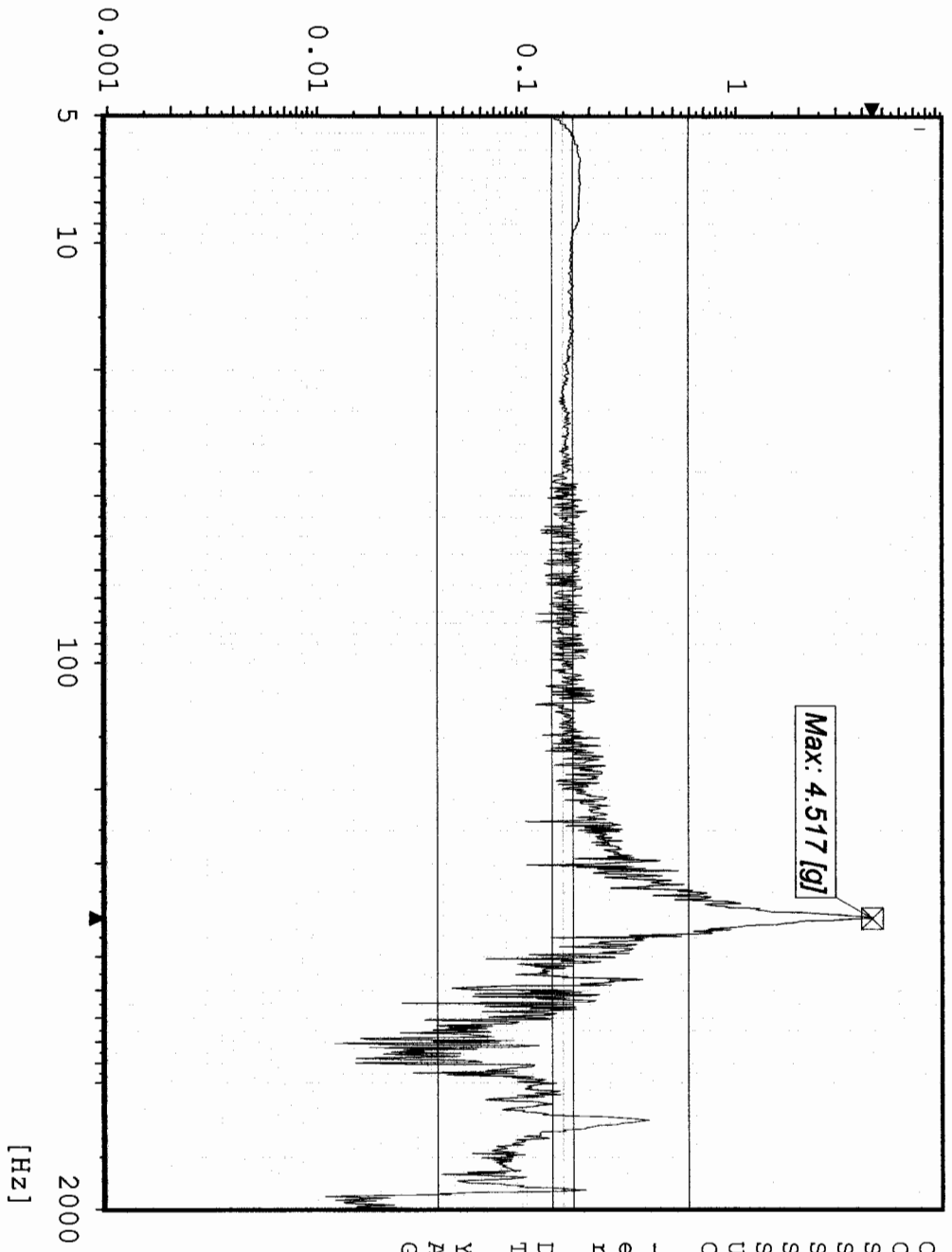
Max: 404.2 Hz 4.517 g

Sine AY3 TPS Top center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



Max: 4.517 [g]

```

Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 15:13:47

Y - axis Post-Random
Acceptance Unit 1
GLAT 1753

```

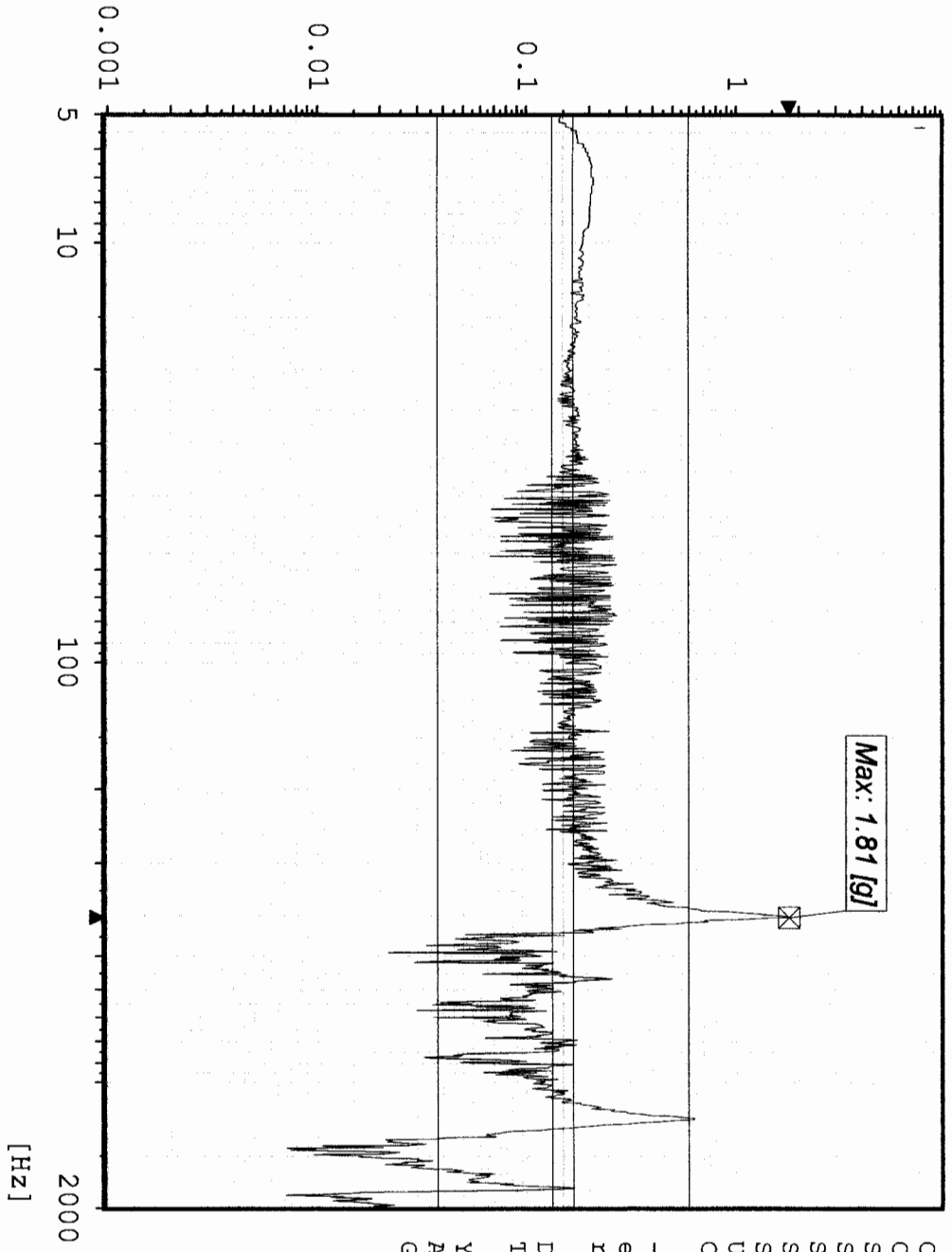
Max: 404.2 Hz 1.81 g

Sine AY1 TEM Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



[g]



Chan.no: 7 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 15:13:47

Y - axis Post-Random
 Acceptance Unit 1
 GIAT 1753

Max: 404.2 Hz 3.637 g

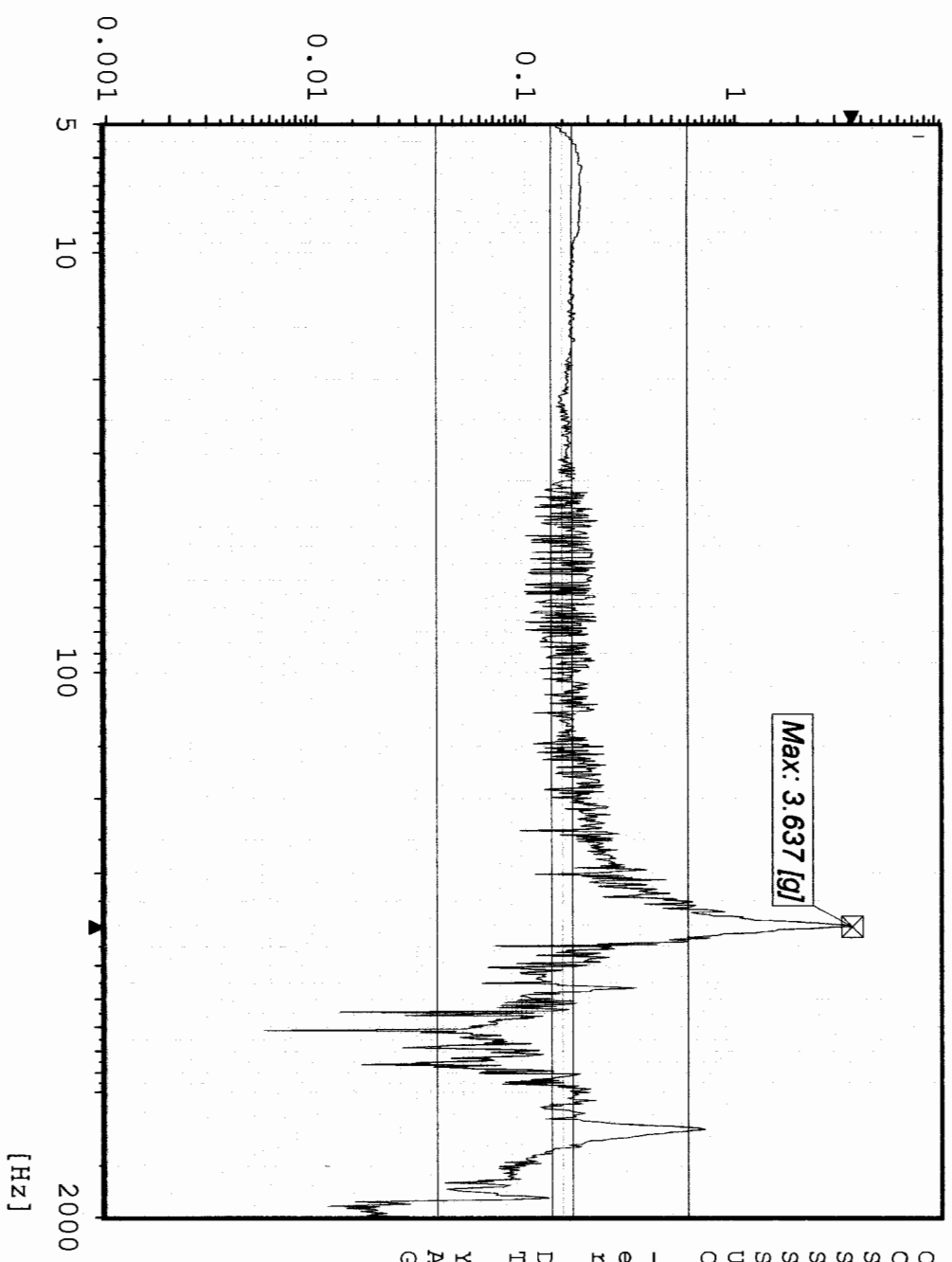


Sine
Stanford Linear Accelerator

AY2 TPS CG

J/N 49995.51758
TEM / TPS

[g]



Max: 3.637 [g]

Chan.no: 10 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

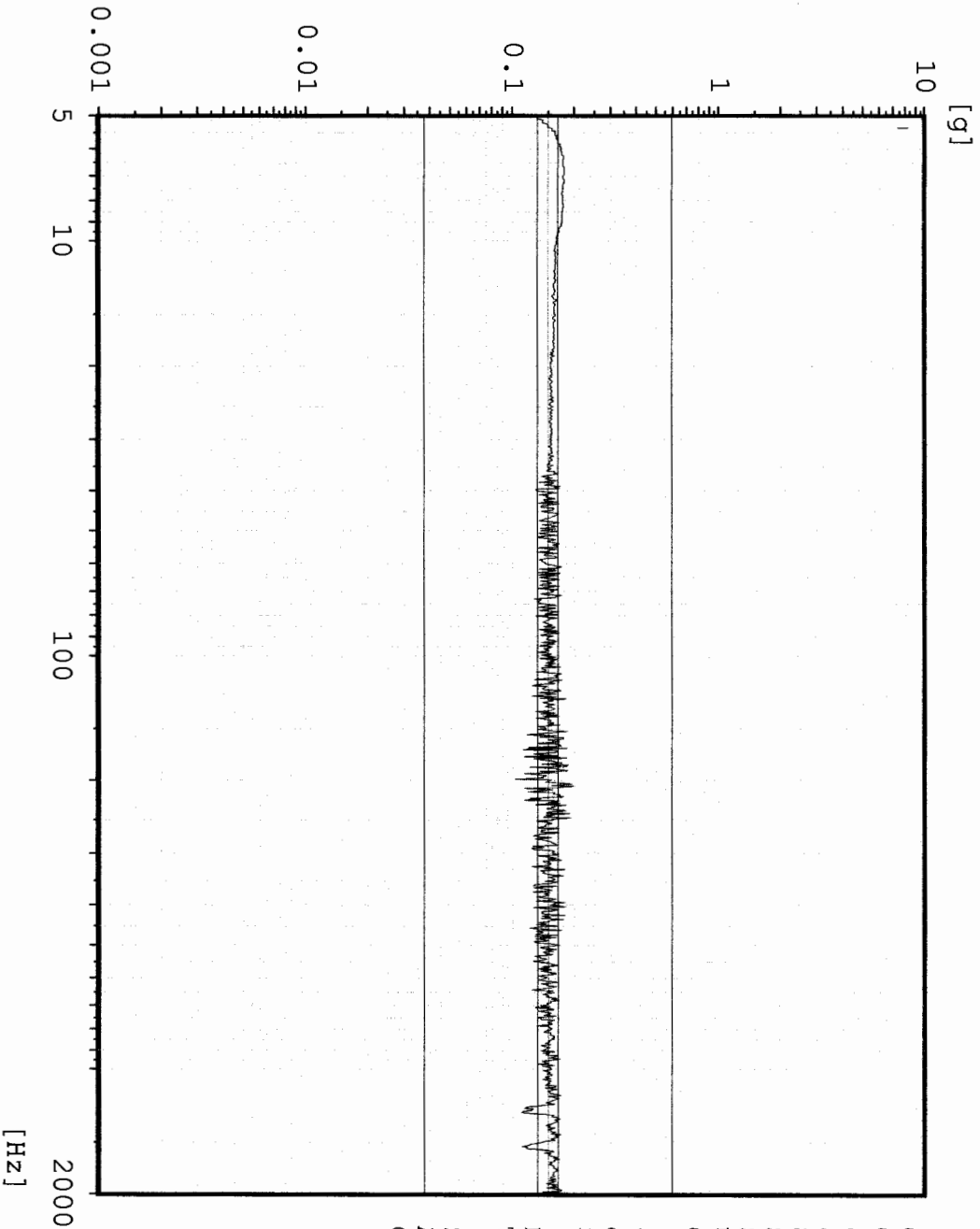
-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 15:13:47

Y - axis Post-Random
 Acceptance Unit 1
 GIAT 1753

Sine C21 Control channel

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: Logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:21:59

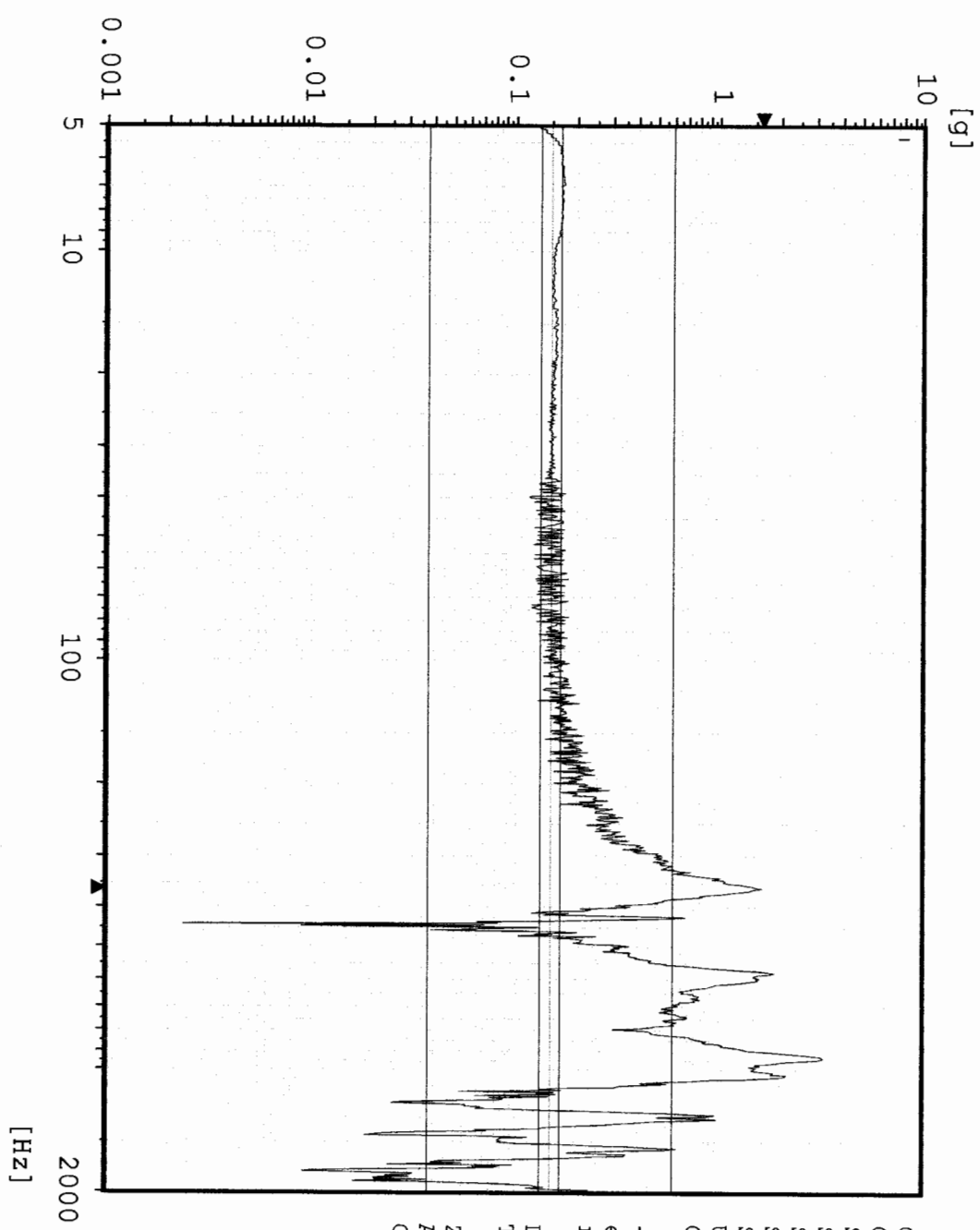
Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753

Sine AZ4 Boss 2

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



```

Chan.no: 2
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:21:59

Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753
  
```

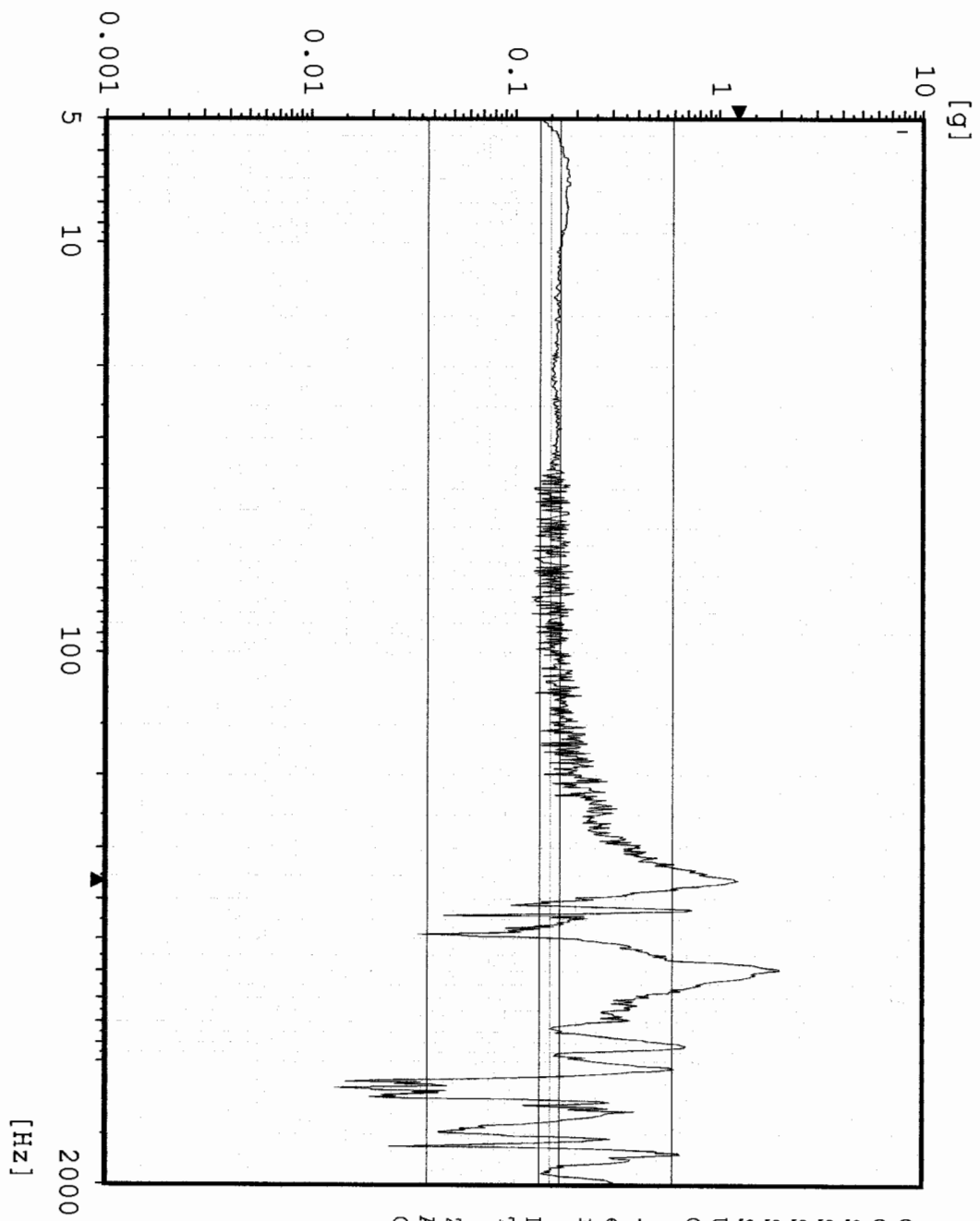
Sine

AZ3 Boss 1

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



```

Chan.no: 3 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

```

```

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

```

```

Date: 01-25-05
Time: 18:21:59

```

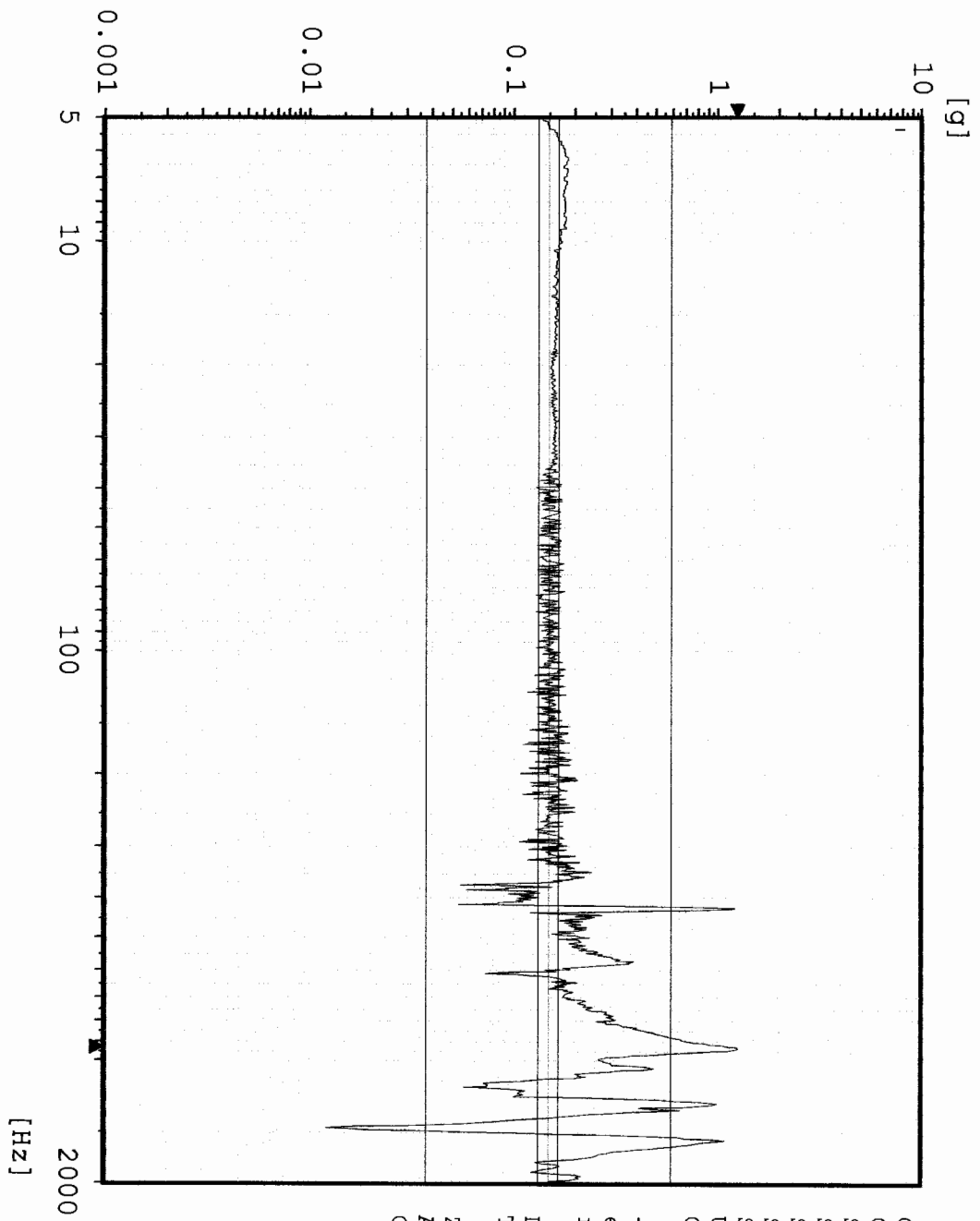
```

Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```


Sine AZZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 4 M Filtered
Chan.type: Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

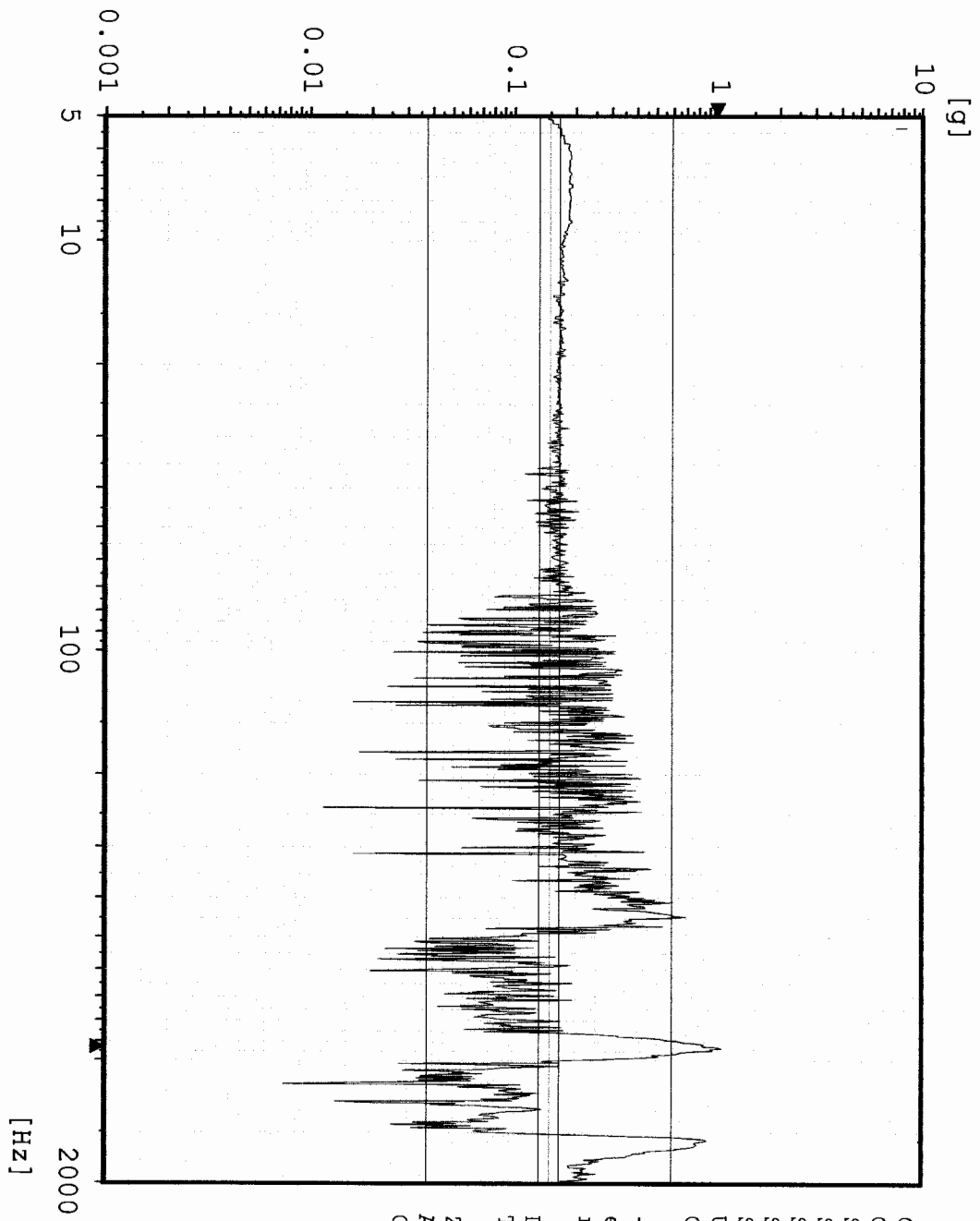
Date: 01-25-05
Time: 18:21:59

Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```

Sine AZ5 TEM Bottom edge

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 6 M Filtered
 Chan.type: Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 18:21:59

Z - axis Pre-Random
 Acceptance Unit 1
 GIAT 1753

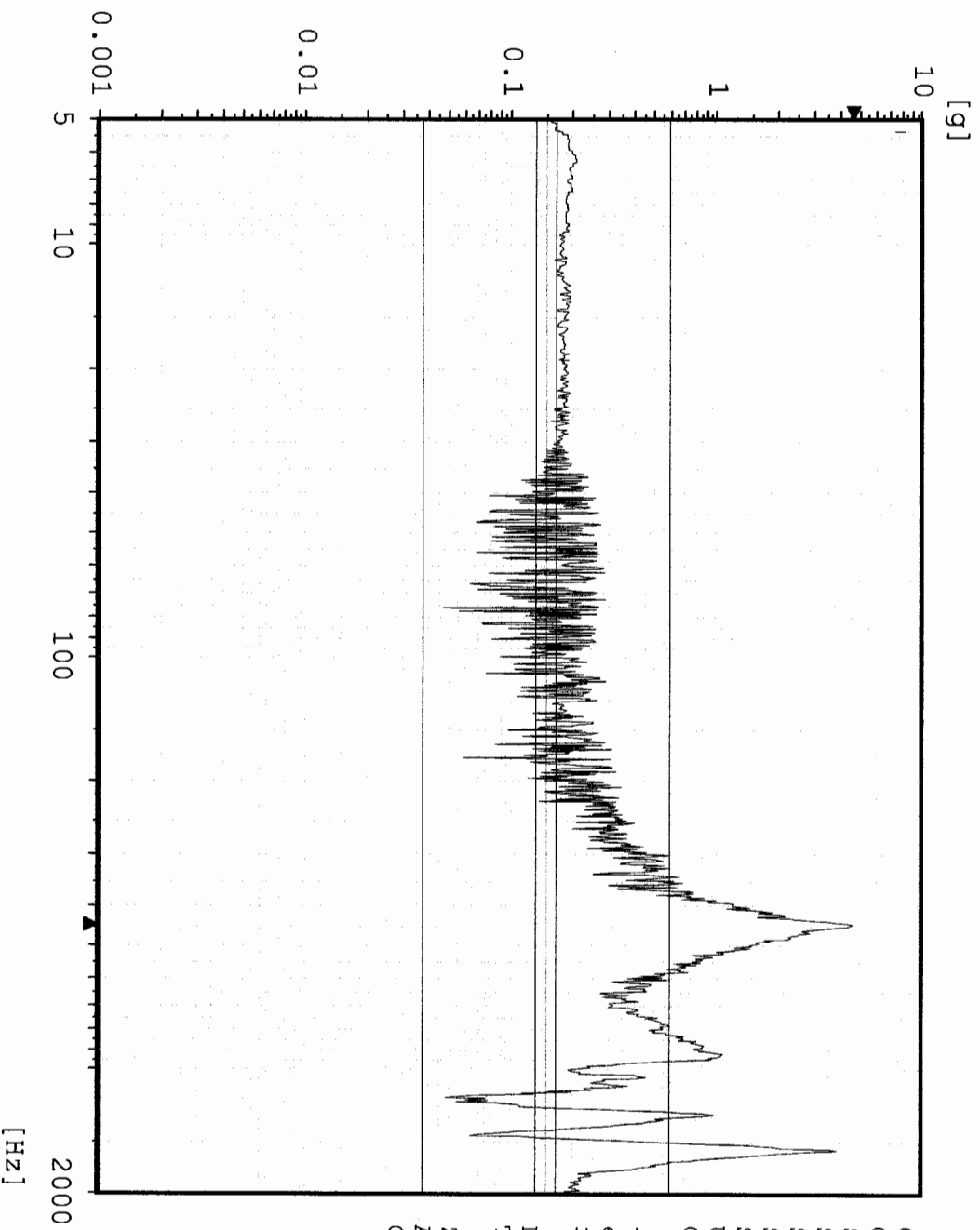
Max: 444 Hz 4.651 g

Sine AZ6 TEM Bottom center

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



```

Chan.no: 7
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

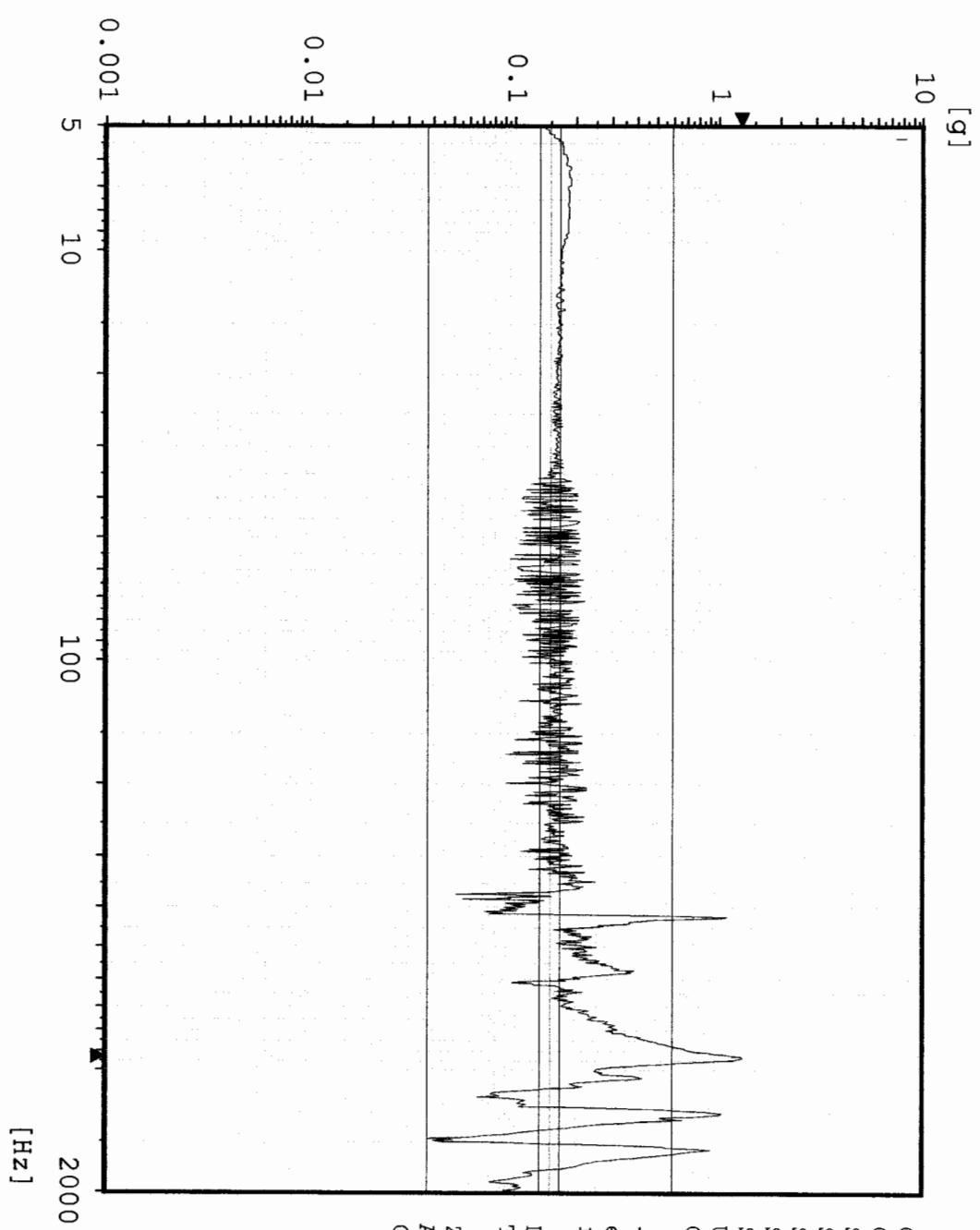
Date: 01-25-05
Time: 18:21:59

Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753

```

Sine AZ1 TPS Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:21:59

Z - axis Pre-Random
Acceptance Unit 1
GLAT 1753
  
```

Random

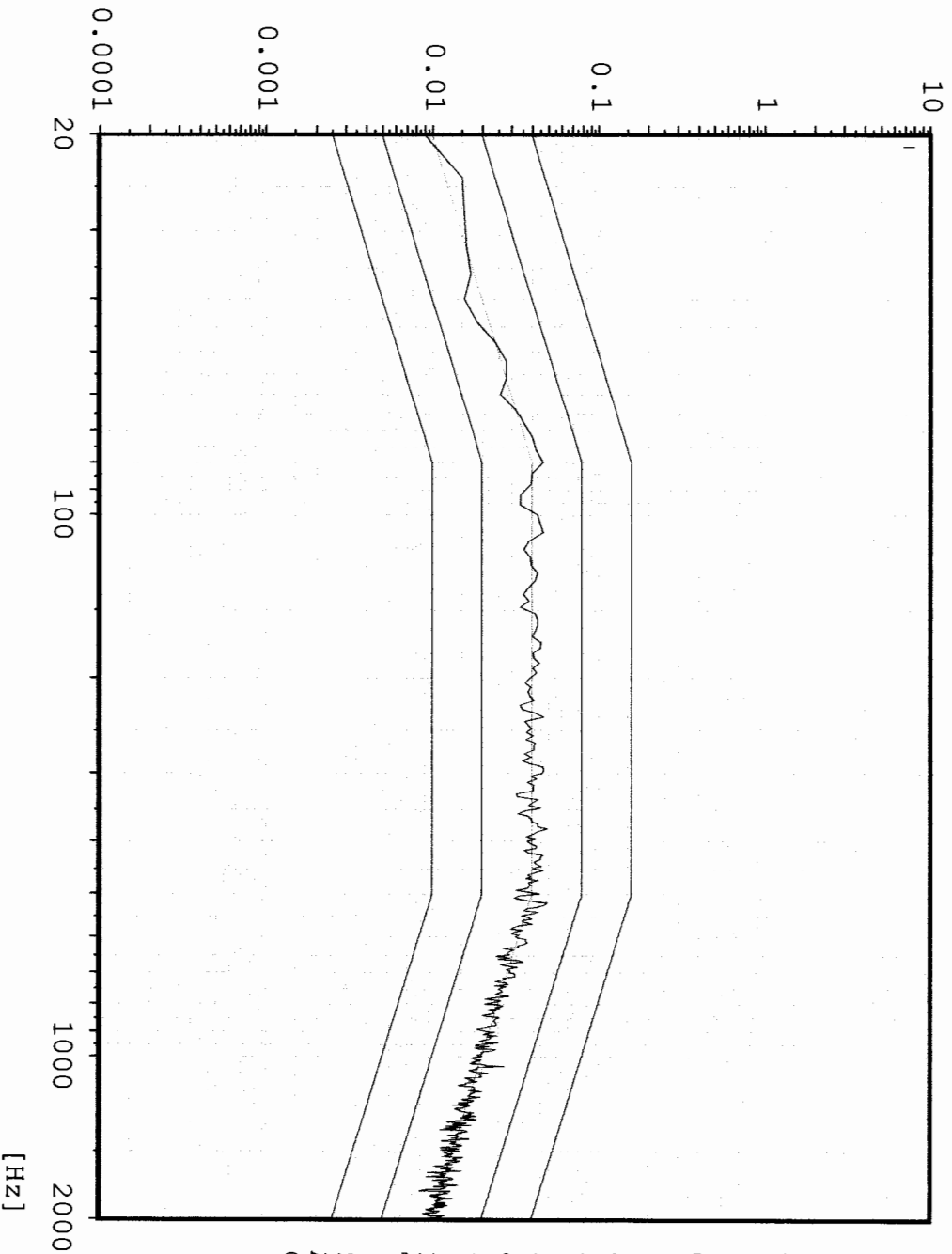
CZ1 Control

Stanford Linear Accelerator

J/N 49995.51758

TEM & TPS

[g²/Hz]



```

Chan.no:      1
Chan.type:    C
DOF:          126
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g²/Hz
RMS (act.):   6.805 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop
  
```

```

-- Time on act. level --
elapsed:      000:01:00
remaining:    000:00:00
  
```

```

-- Time total --
elapsed:      000:02:54
remaining:    000:00:00
  
```

```

Date:         01-25-05
Time:         18:29:52
  
```

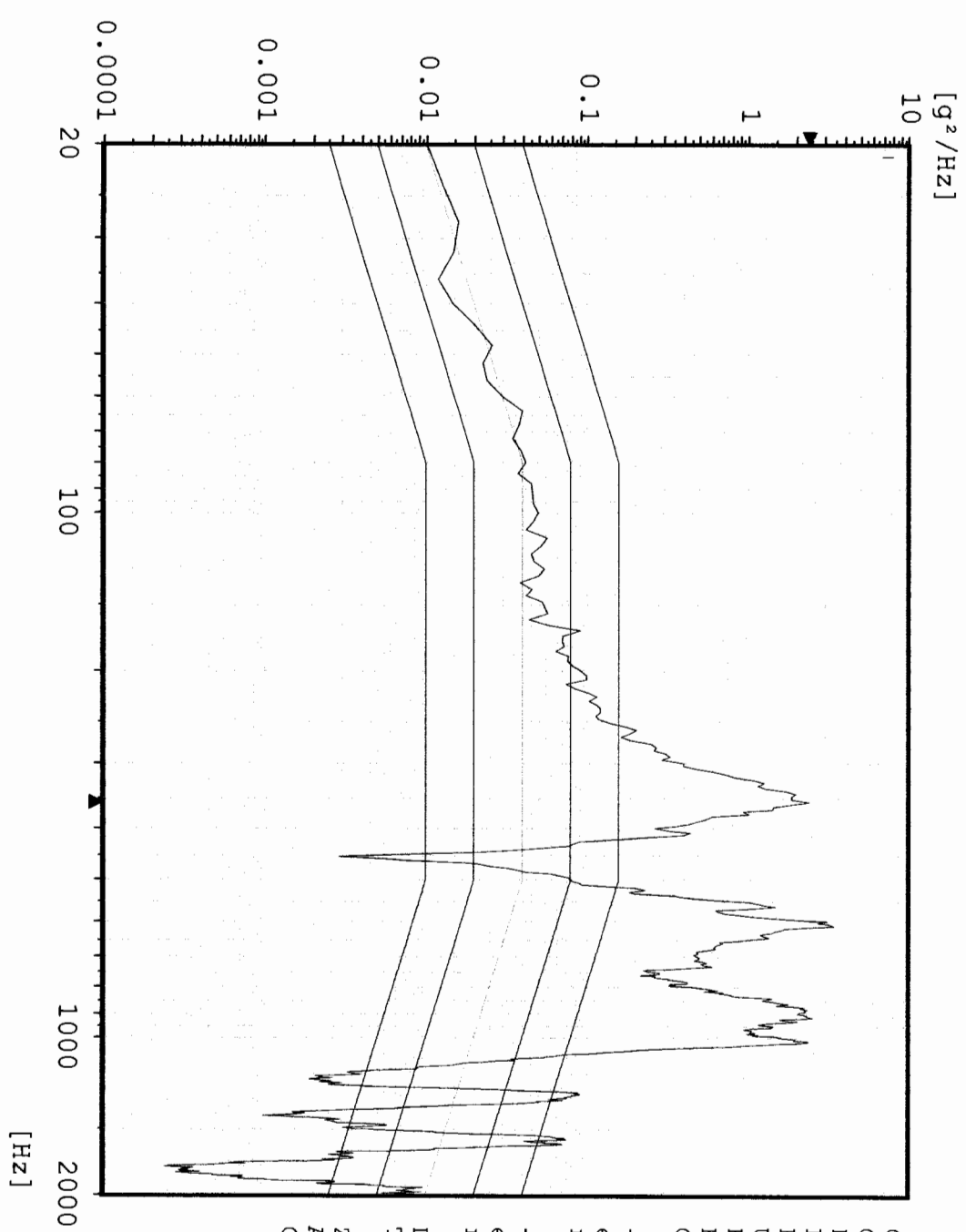
```

Z - Axis
Acceptance Unit 1
GLAT 1753
  
```



Random AZ4 TPS Boss 2

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 27.77 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

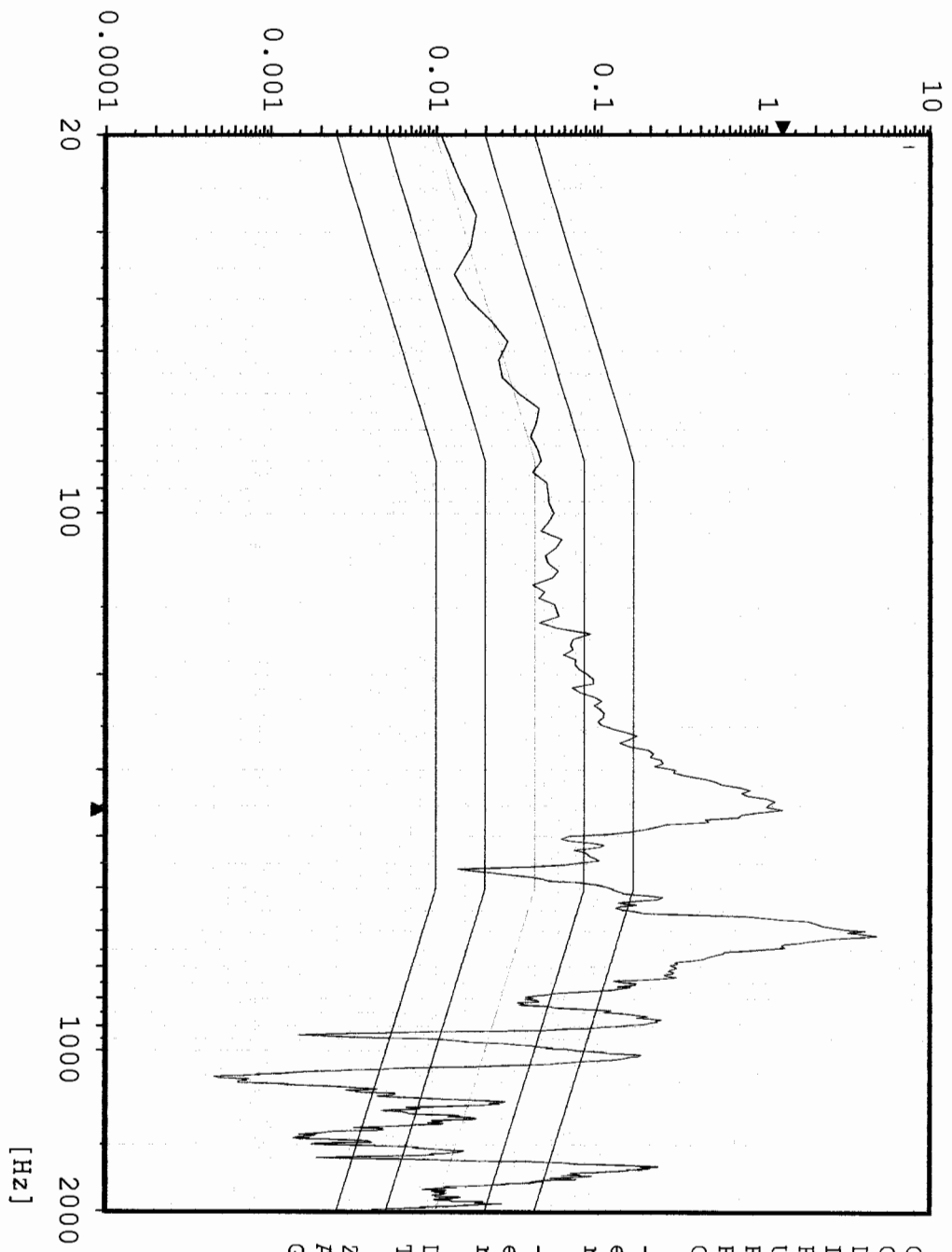
-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00
-- Time total --
elapsed: 000:02:54
remaining: 000:00:00

Date: 01-25-05
Time: 18:29:52

Z - Axis
Acceptance Unit 1
GLAT 1753

Random AZ3 TPS Boss 1

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Chan.no: 3
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g^2/Hz
 RMS (act.): 19.47 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:54
 remaining: 000:00:00

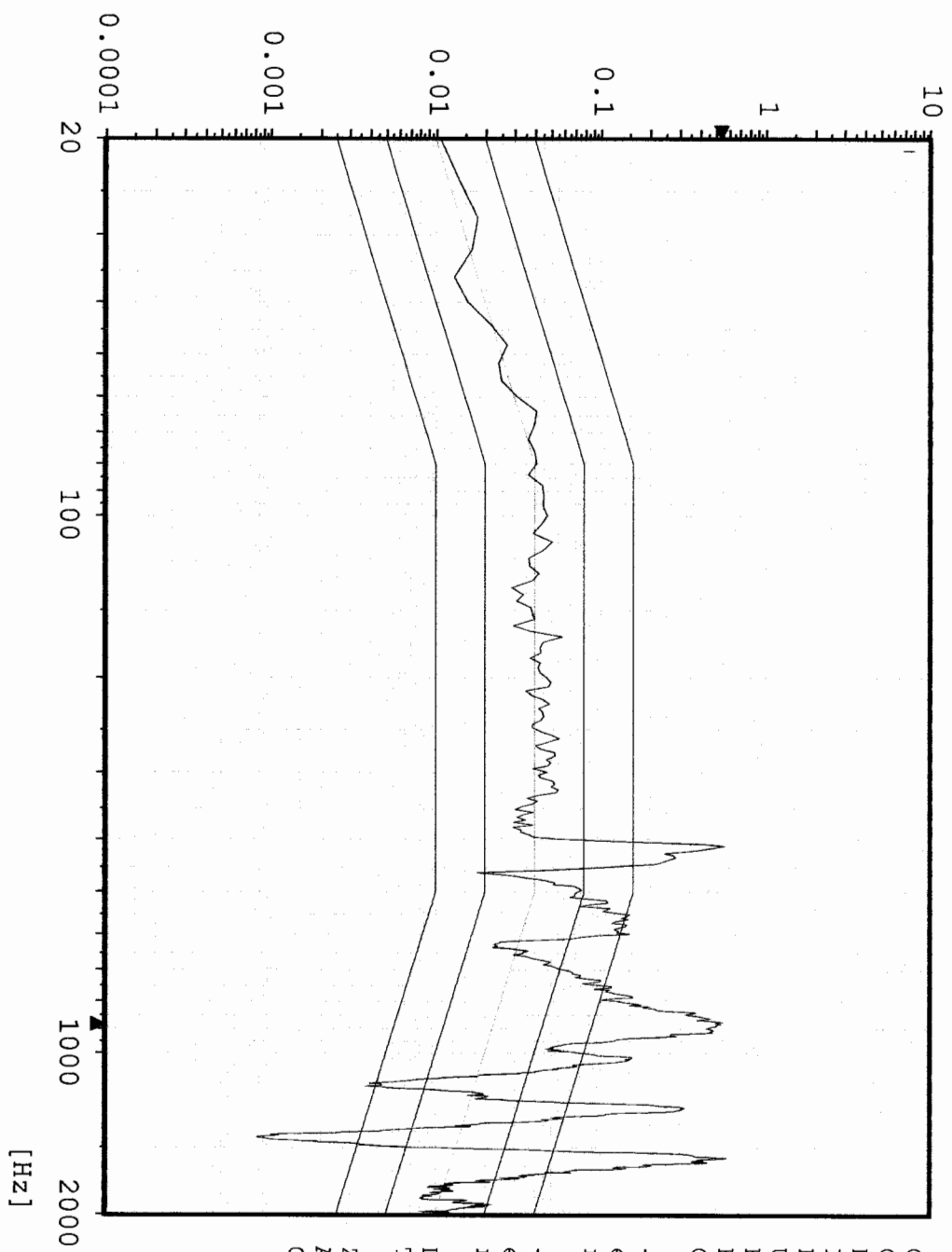
Date: 01-25-05
 Time: 18:29:52

Z - Axis
 Acceptance Unit 1
 GIAT 1753

Cursor: 884 Hz 0.5371 g²/Hz

Random AZZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



Chan.no: 4
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 13.61 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

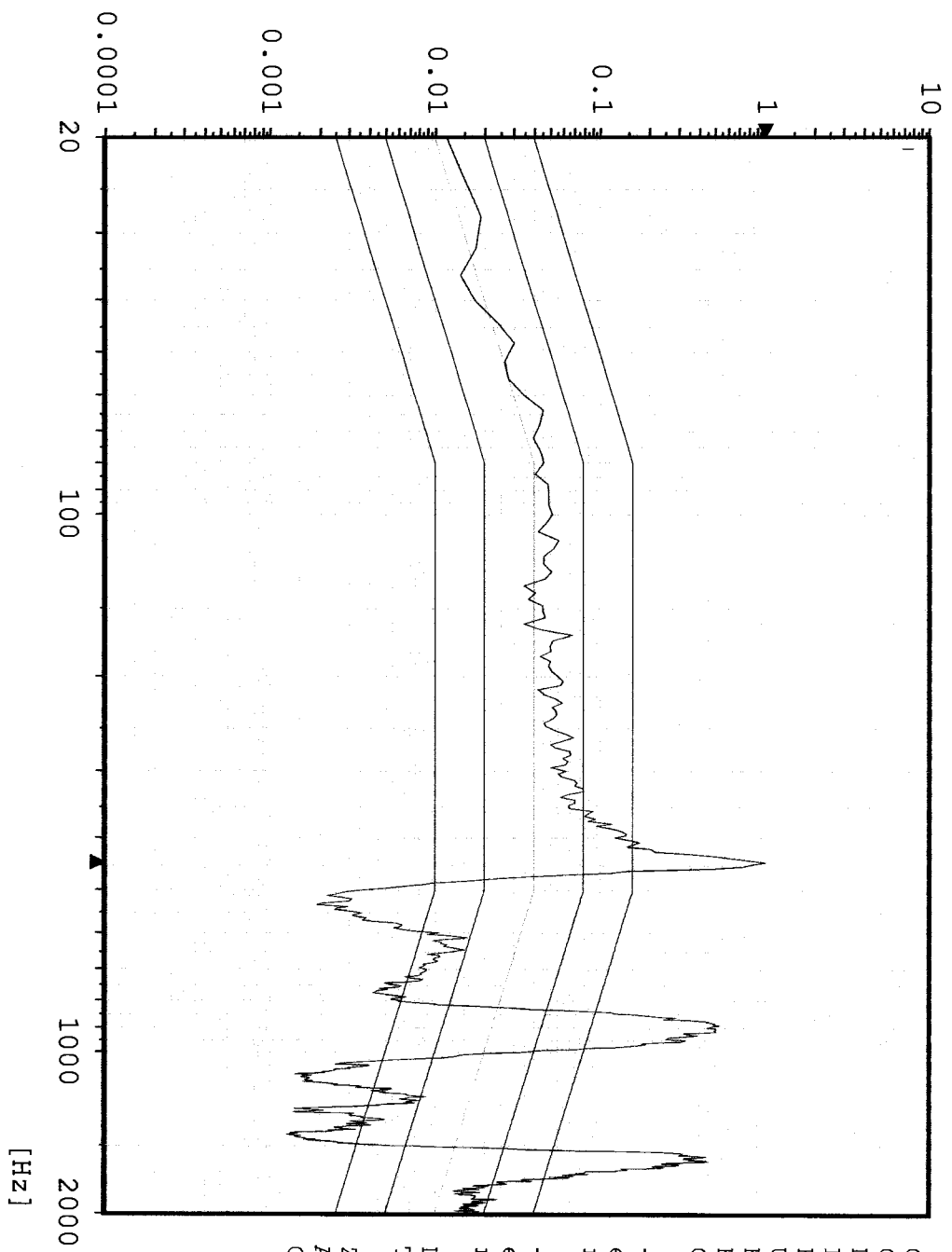
-- Time total --
elapsed: 000:02:54
remaining: 000:00:00

Date: 01-25-05
Time: 18:29:52

Z - Axis
Acceptance Unit 1
GLAT 1753

Random AZ5 TEM Bottom edge

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



```

Chan.no:      6
Chan.type:    M
DOF:          100
Level:        0.0 dB
Resolution:   4 Hz
Unit:         g²/Hz
RMS (act.):   12.26 g
RMS (req.):   6.787 g
Contr.strat.: Closed loop
  
```

```

-- Time on act. Level --
elapsed:      000:01:00
remaining:    000:00:00

-- Time total --
elapsed:      000:02:54
remaining:    000:00:00
  
```

```

Date:         01-25-05
Time:         18:29:52

Z - Axis
Acceptance Unit 1
GLAT 1753
  
```

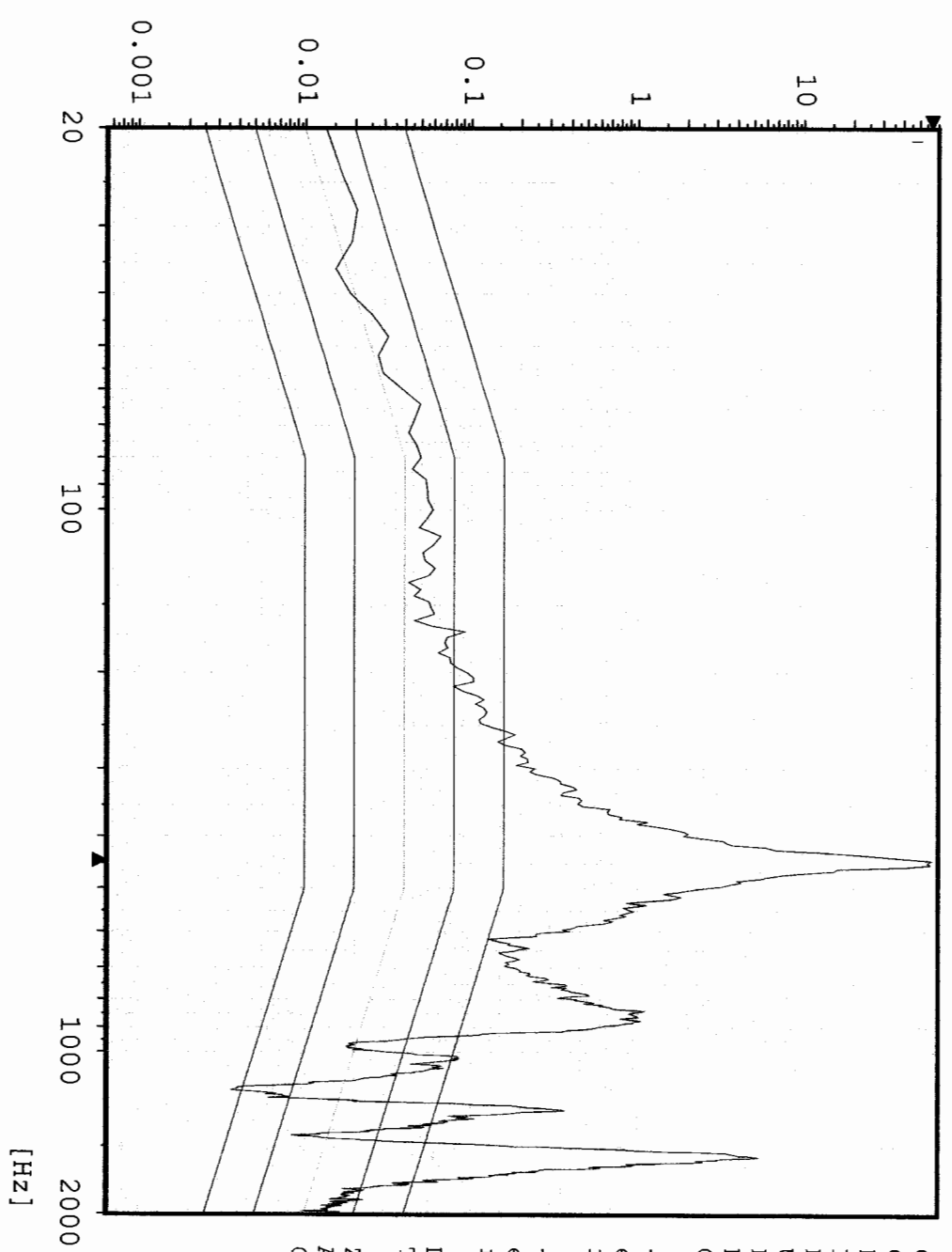
Random AZ6 TEM Bottom center

Stanford Linear Accelerator

J/N 49995.51758

TEM & TPS

[g²/Hz]



```

Chan.no: 7
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g2/Hz
RMS (act.): 49.12 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

```

```

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:00:00

```

```

-- Time total --
elapsed: 000:02:54
remaining: 000:00:00

```

```

Date: 01-25-05
Time: 18:29:52

```

```

Z - Axis
Acceptance Unit 1
GLAT 1753

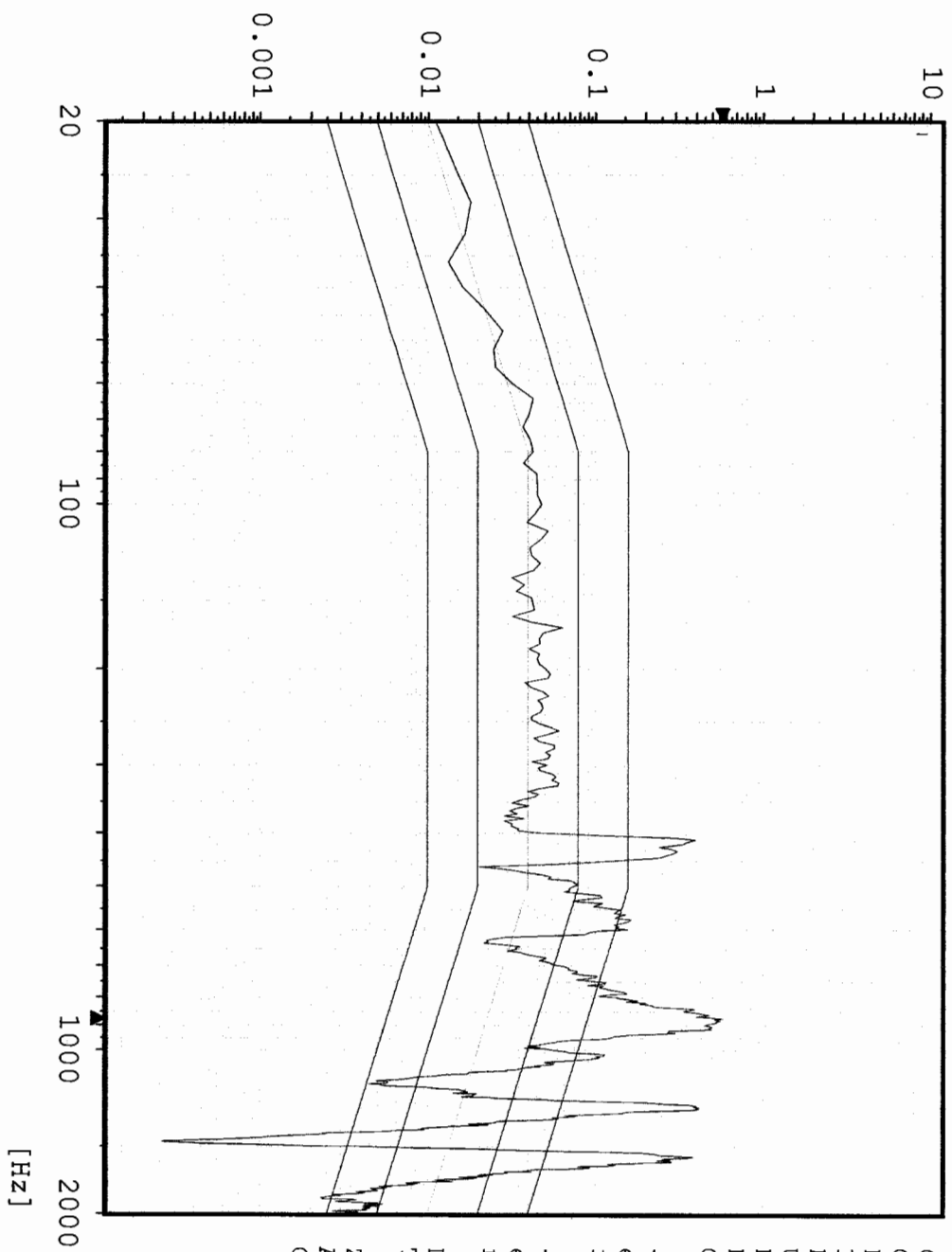
```

Random AZ1 TPS Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM & TPS



[g²/Hz]



Chan.no: 10
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 13.15 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:00
 remaining: 000:00:00

-- Time total --
 elapsed: 000:02:54
 remaining: 000:00:00

Date: 01-25-05
 Time: 18:29:52

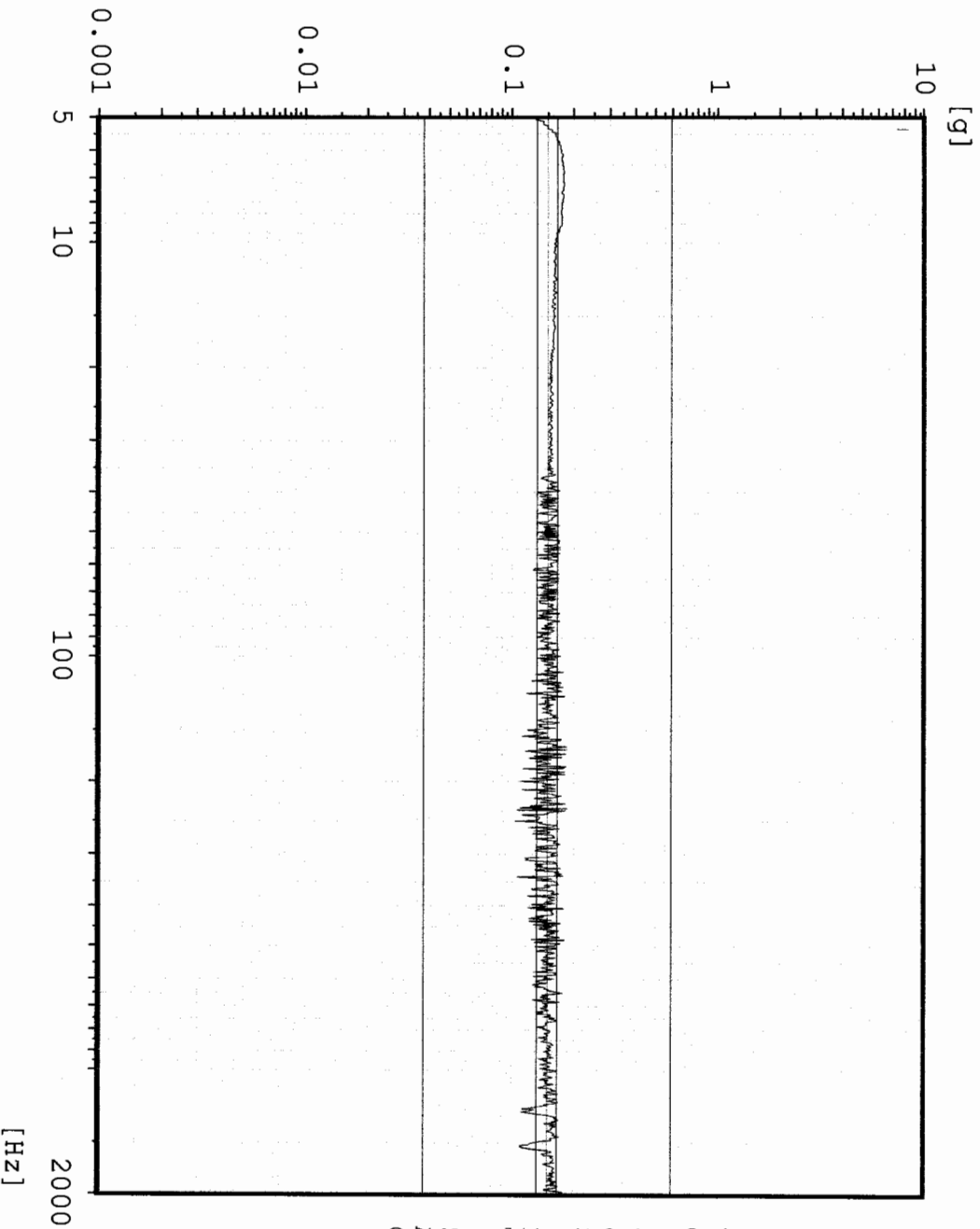
Z - Axis
 Acceptance Unit 1
 GLAT 1753

Sine CZ1 Control channel

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed Loop

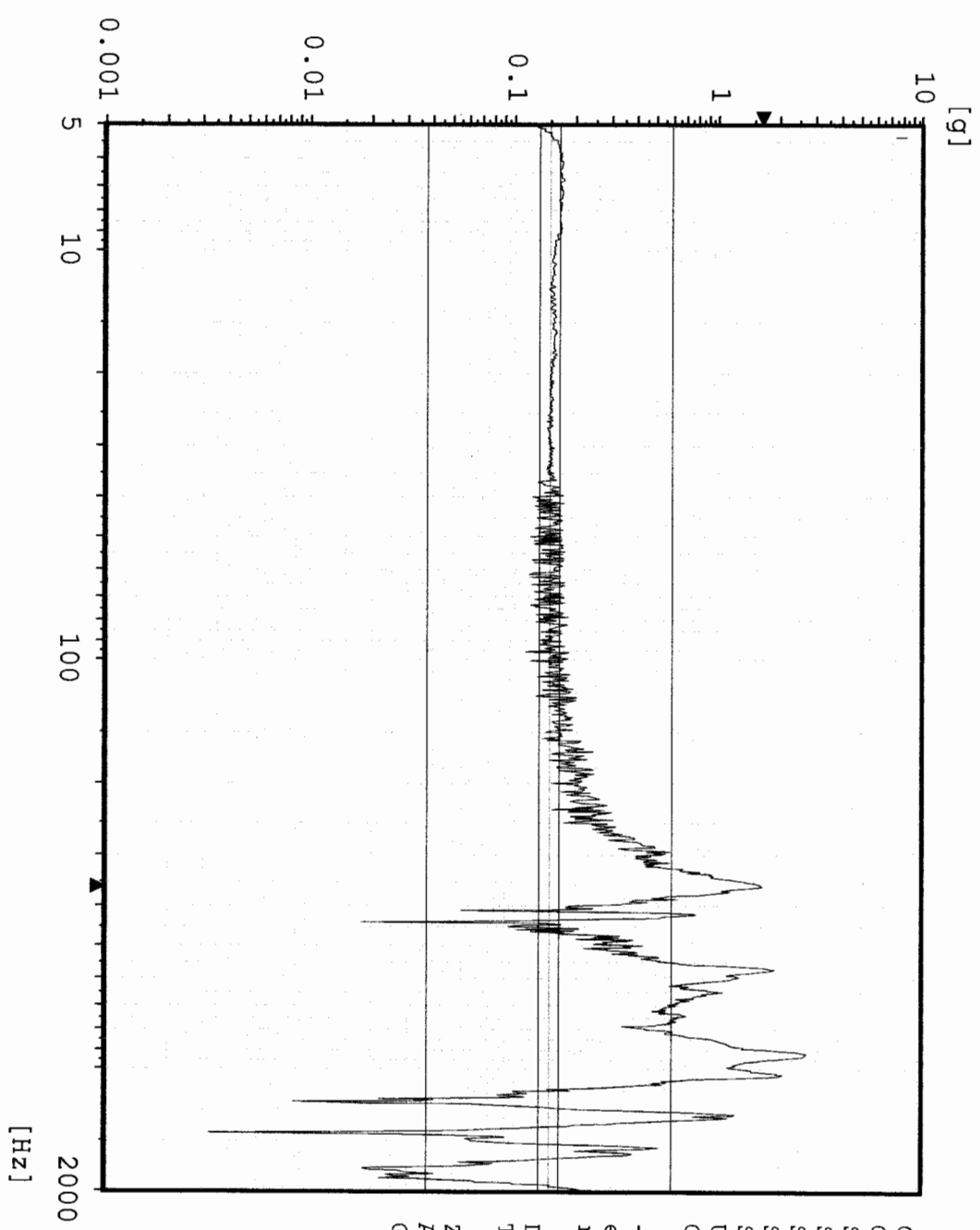
-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:38:42

Z - axis Post-Random
Acceptance Unit 1
GLAT 1753

Sine AZ4 Boss 2

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



Chan.no: 2 M Filtered
 Chan.type: logarithmic
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 18:38:42

Z - axis Post-Random
 Acceptance Unit 1
 GIAT 1753

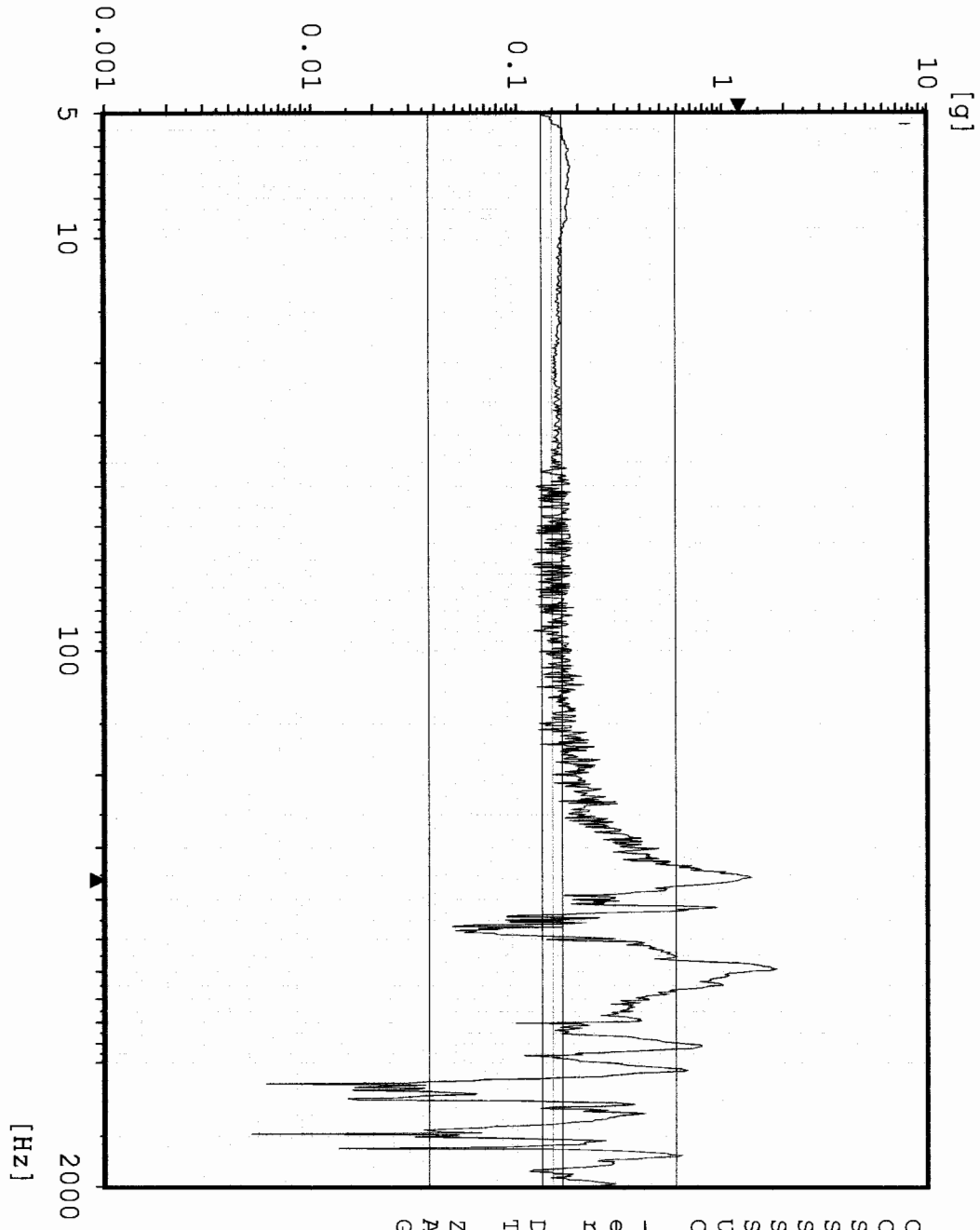
Sine

AZ3 Boss 1

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



Chan.no: 3 M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00

Date: 01-25-05
 Time: 18:38:42

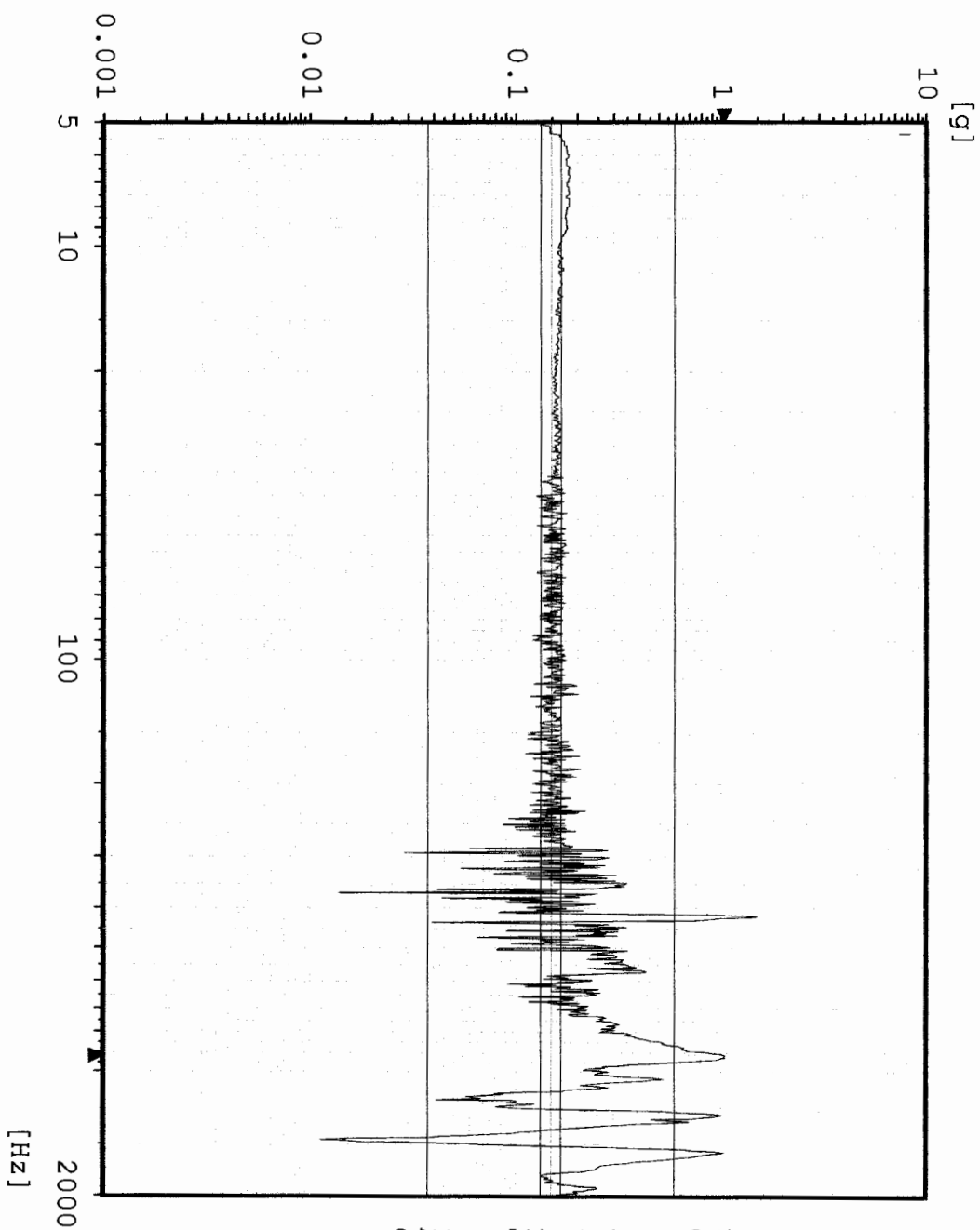
Z - axis Post-Random
 Acceptance Unit 1
 GLAT 1753

Sine A22 TPS Corner

Stanford Linear Accelerator

J/N 49995.51758

TEM / TPS



```

Chan.no: 4 M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

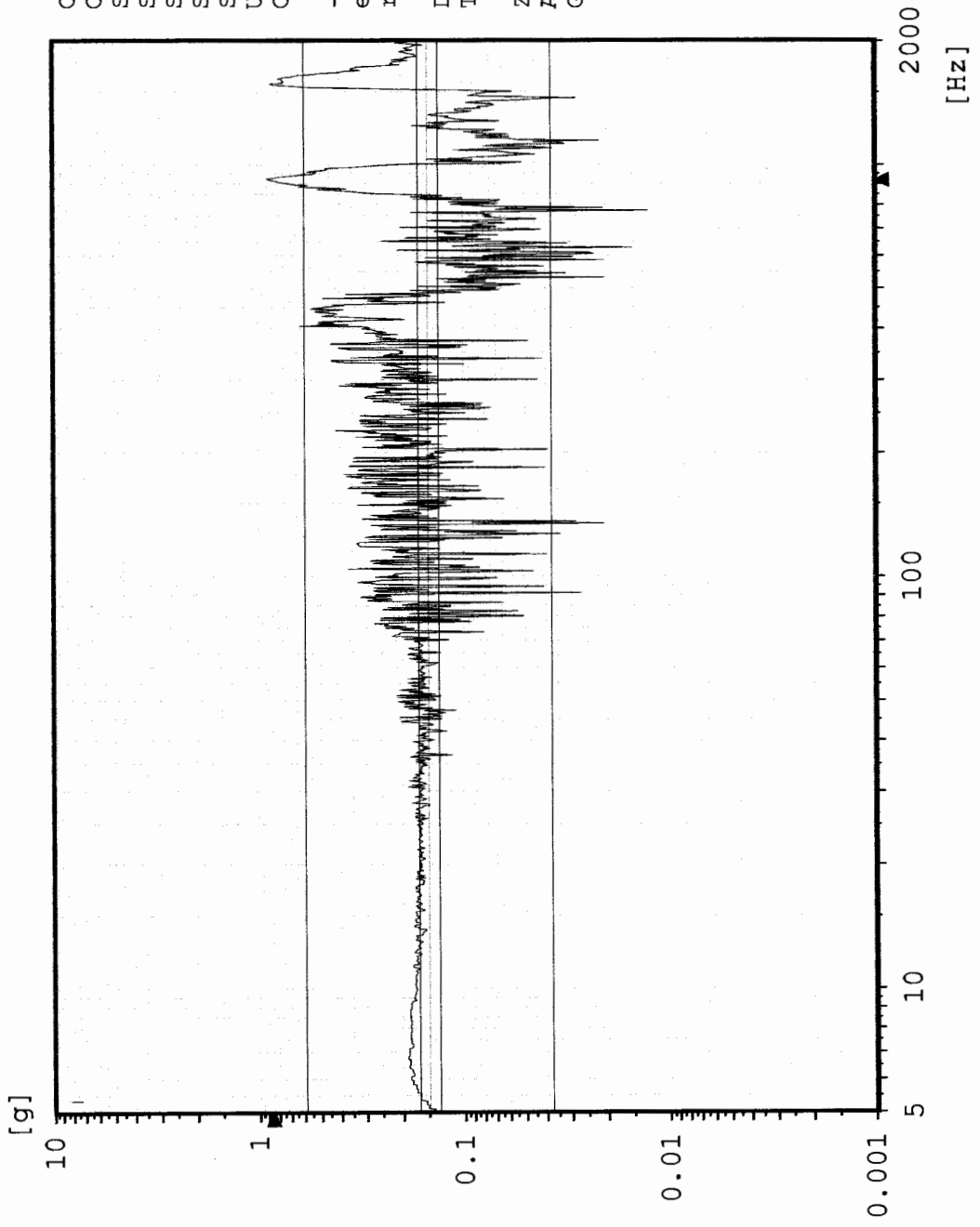
-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:38:42

Z - axis Post-Random
Acceptance Unit 1
GIAT 1753
  
```

AZ5 TEM Bottom edge

Sine
Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



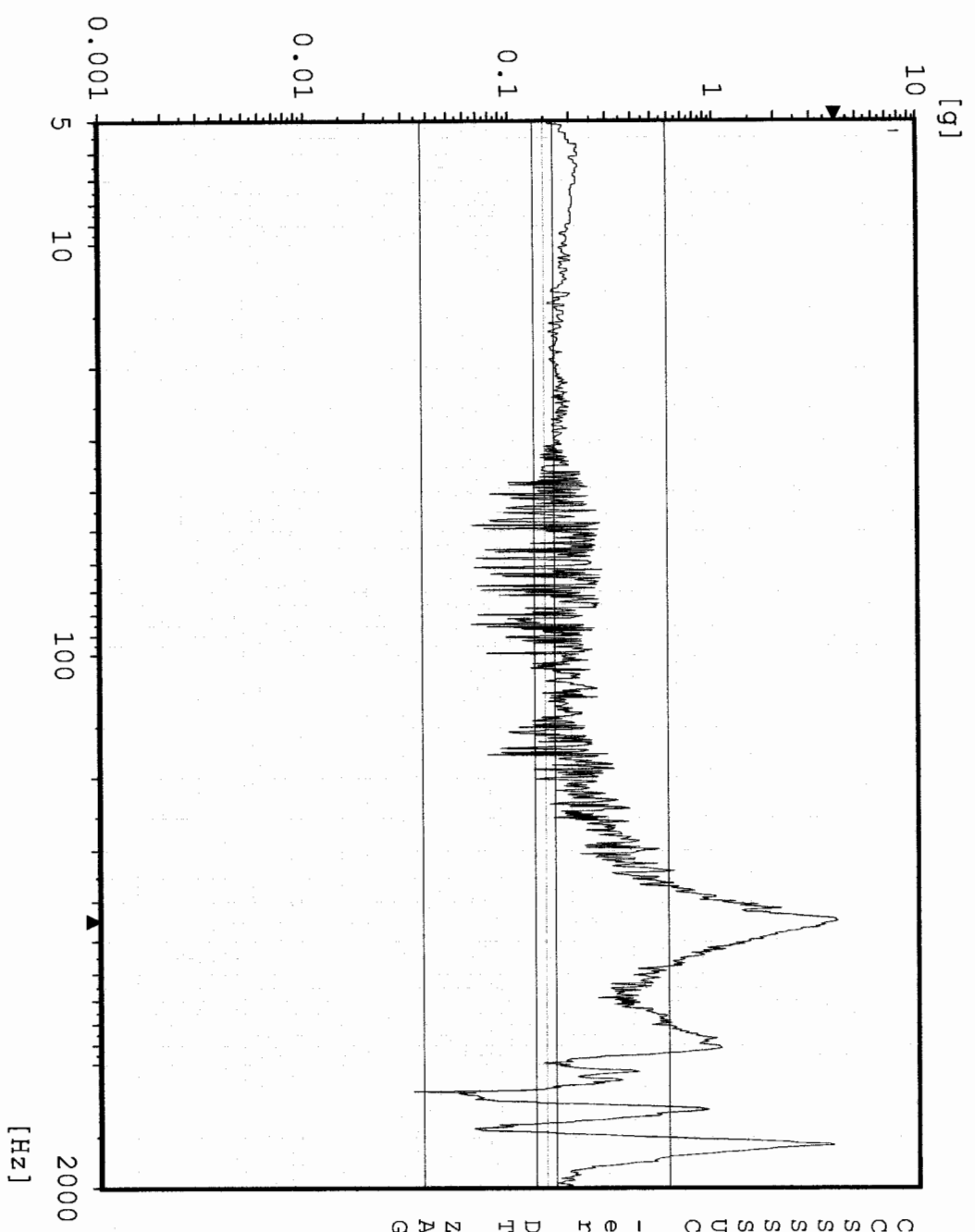
Chan.no: 6
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 4.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:02:09
 remaining: 000:00:00
 Date: 01-25-05
 Time: 18:38:42
 Z - axis Post-Random
 Acceptance Unit 1
 GLAT 1753

Max: 446.6 Hz 4.016 g

Sine AZ6 TEM Bottom center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 7 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

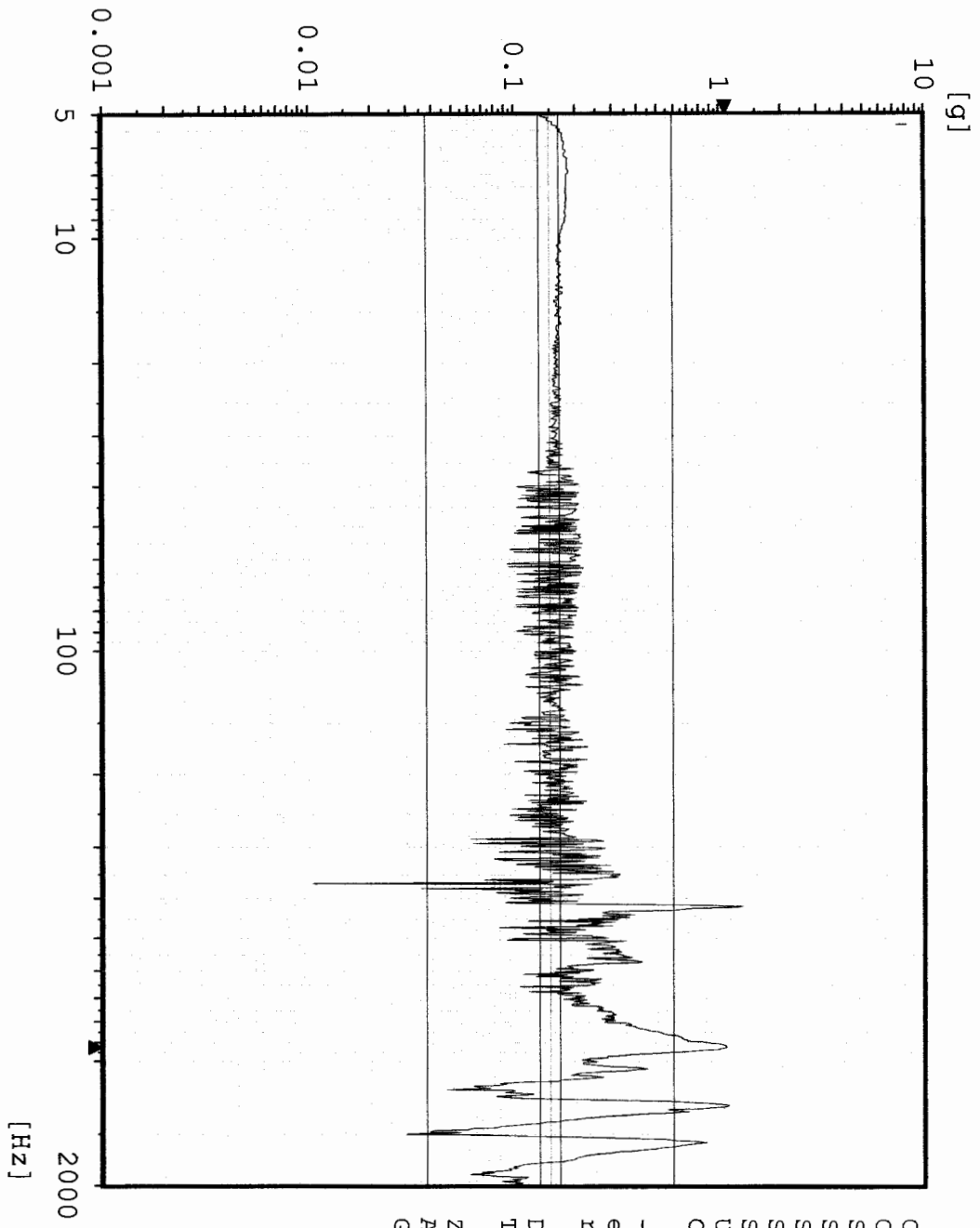
-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:38:42

Z - axis Post-Random
Acceptance Unit 1
GLAT 1753
  
```

Sine AZ1 TPS Edge center

Stanford Linear Accelerator
J/N 49995.51758
TEM / TPS



```

Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 4.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:02:09
remaining: 000:00:00

Date: 01-25-05
Time: 18:38:42

Z - axis Post-Random
Acceptance Unit 1
GIAT 1753
  
```