

Appendix A 6/13/05

GLAT 1837
GLAT 1838
GLAT 1839

Accelerometer Sensitivities and Charge Amp Settings



GLAST LAT Project TEM/TPS Vibration Testing

Accelerometer Sensitivities and Charge Amp Settings

Accel. #	Ch. #	S/N	Model	Sensitivity [pC/g]	F.S. Range [g]	Tape Gain [mV]	Sensitivity [mV/g]
CZ1		13048	2271AM20	12.43	3	3000	1000
AZ1	6	AHK02	2226C	3.033	30	3000	100
AZ2	10	16139	2226C	3.027	30	3000	100
AZ3	3	16017	2226C	3.030	30	3000	100
AZ4	2	AHK09	2226C	3.006	30	3000	100
AZ5	5	30798	2222C	1.747	30	3000	100
AZ6	8	30443	2222C	1.595	100	3000	30
CX1		13048	2271AM20	12.43	3	3000	1000
AX1	5	30798	2222C	1.747	30	3000	100
AX2	10	16139	2226C	3.027	30	3000	100
AX3	2	AHK09	2226C	3.006	30	3000	100
AX4	3	EF52	2220D	2.575	30	3000	100
CY1		13048	2271AM20	12.43	3	3000	1000
AY1	5	30798	2222C	1.747	30	3000	100
AY2	10	16139	2226C	3.027	30	3000	100
AY3	2	AHK09		3.006	30	3000	100
AY4	3	EF52	2220D	2.575 2.575	30	3000	100

2.575

Appendix B – Test Log



GLAST LAT Project TEM/TPS Vibration Testing

Test Log

Date	Time	Unit #	Axis	Sine or Random	Level [g]/[grms]	Frequency [Hz]	File Name	Remarks
6/13	10:25	1839	X	SINE	0.15	5-2000	.15g 5-2000 Acceptance	X_030.rsn
	10:45	1839	X	Random	6.8grms	5-2000	6.8grms TEM/TPS Acceptance	X_019.rsn
	10:55	1839	X	SINE	0.15	5-2000		X_031.rsn
	11:15	1839	Y	SINE				Y_017.rsn
	11:25	1839	Y	Random				Y_012.rsn
	11:30	1839	Y	SINE				Y_020.rsn
	11:45	1837	X	SINE				X_032.rsn
	11:55	1837	X	Random				X_020.rsn
	12:05	1837	X	SINE				X_033.rsn
	12:25	1837	Y	SINE				Y_021.rsn
	12:30	1837	Y	Random				Y_013.rsn
	12:38	1837	Y	SINE				Y_022.rsn
	12:55	1838	X	SINE				X_034.rsn
	1:05	1838	X	Random				X_021.rsn
	1:10	1838	X	SINE				X_035.rsn
	1:30	1838	Y	SINE				Y_023.rsn
	1:40	1838	Y	Random				Y_014.rsn
	1:50	1838	Y	SINE				Y_024.rsn
	2:50	1838	Z	SINE				Z_018.rsn
	3:05	1838	Z	Random				Z_024.rsn
	3:15	1838	Z	SINE				Z_019.rsn
	3:40	1837	Z	SINE				Z_020.rsn
	3:50	1837	Z	Random				Z_025.rsn
	3:59	1837	Z	SINE				Z_021.rsn
	4:20	1839	Z	SINE				Z_022.rsn
	4:30	1839	Z	Random				Z_026.rsn
	4:45	1839	Z	SINE				Z_023.rsn

Appendix D – Test Data Package Checklist



GLAST LAT Project TEM/TPS Vibration Testing

Qualification/Acceptance Test Data Package Checklist (Items supplied by Wyle Labs at end of test)

Item	✓	Description / Location
1	DS	Calibrated Equipment List
2	DS	Vibration Test plots (Pre- and Post test signature overlays and random vibration test data for Z, X, and Y axes)
3	DS	Electronic Data in UFF or equivalent format, if available
4	DS	Photographs of test setup
5	DS	Procedure data sheets (Appendices A, B, and C)
6	DS	Visual Inspection Report
7	DS	Test Control System Software Setup Sheets



SHIPPING MEMORANDUM

NUMBER
122230

S
H
I
P
T
O

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

DATE
6/24/05

VIA
U.S. MAIL

ATTN: DAVID TARKINGTON

SHIP FROM
~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~
~~XXXXXXXXXXXX~~
5452 BETSY ROSS DRIVE
SANTA CLARA, CA 95054
408/764-5500

CUSTOMER ORDER NO. SLAC0000056030	JOB NUMBER 49995.52036	PARTIAL <input type="checkbox"/>	COMPLETE <input checked="" type="checkbox"/>	OUR P.O. NO.
---	----------------------------------	-------------------------------------	---	--------------

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 AND SINE VIBRATION TESTING PER CUSTOMER INSTRUCTION</p>

CERTIFICATE OF CONFORMANCE

This is to certify that test data and/or certifications proving 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

SHIPMENT AUTHORIZED BY:

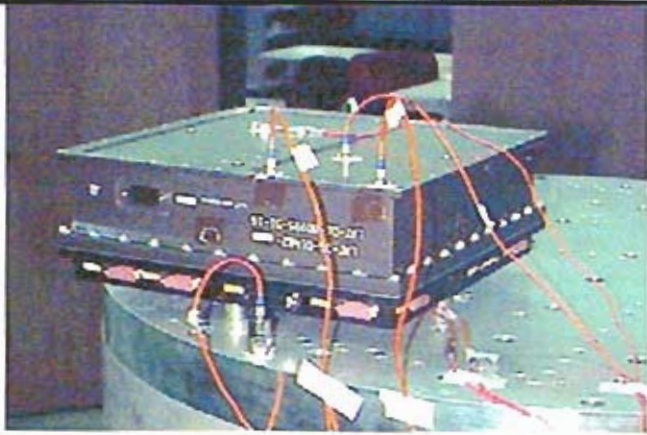
RECEIVED BY
Mail

DATE
6/24/05

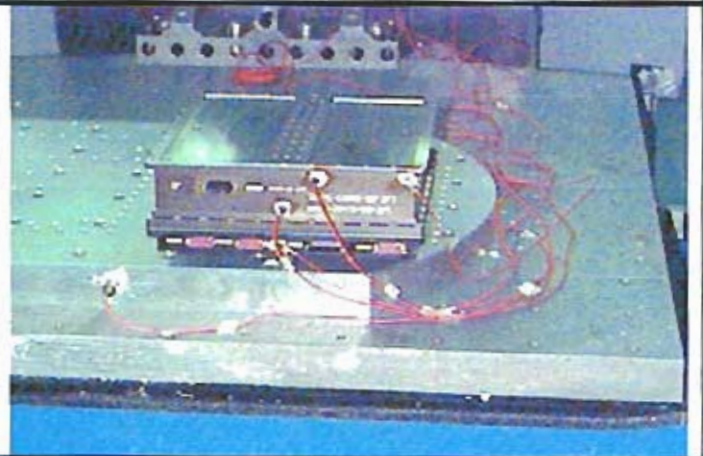
NAME
T. KLAWITTER

TEST DATA

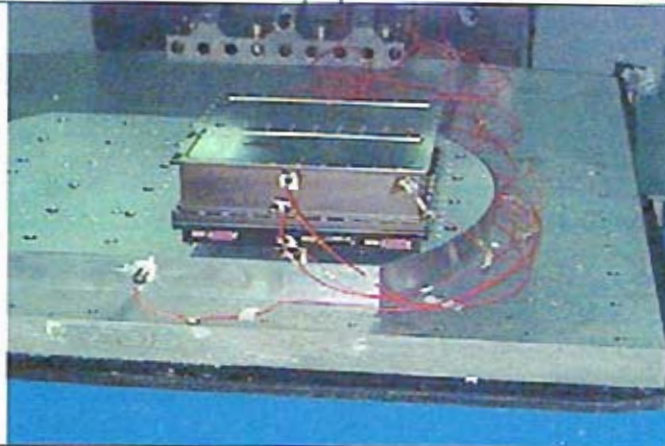
DATE STARTED 06-13-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) WSC I-21 <i>Wiltshire</i>
DATE COMPLETED 06-13-05	SPECIMEN DESCRIPTION TEM & TPS { See Initial Visual }	ENGINEER (SIGNATURE) <i>Simone Chesney</i> WSC Q-02
TEMPERATURE 73°F	TYPE OF TEST SET-UP - Detail	ENGINEER <i>Simone Chesney</i>
HUMIDITY 38%R.H.	MANUFACTURER Stanford Linear Accelerator	JOB NUMBER 49995.52036
SPECIMEN NUMBER 1 - 3	TEST SPECIFICATION See Vibration Data	



Z - Axis



X - Axis



Y - Axis



TEST DATA

DATE STARTED 06-13-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>P. Wittich</i>	
DATE COMPLETED 06-13-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>Sime Churney</i>	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Sime Churney</i>	
HUMIDITY 38% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.52036	
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
-	06-13-05	X	0947	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / 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; Fixture Only
-		X	1001	+0:01:01		Random Accept.; Fixture Only
1		X	1036	+0:04:18		Sine Search
		X	1048	+0:01:00		Random Accept.
		X	1055	+0:04:18		Sine Search
		Y	1115	+0:04:18		Sine Search
		Y	1126	+0:01:00		Random Accept.
1		Y	1131	+0:04:18		Sine Search
2		X	1149	+0:04:18		Sine Search
		X	1159	+0:01:00		Random Accept.
		X	1204	+0:04:18		Sine Search
		Y	1224	+0:04:18		Sine Search
		Y	1233	+0:01:00		Random Accept.
2	06-13-05	Y	1239	+0:04:18		Sine Search



TEST DATA

DATE STARTED 06-13-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> WSC 7-21	
DATE COMPLETED 06-13-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>Shane Alexey</i> WSC 0-02	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Shane Alexey</i>	
HUMIDITY 38% R.H.		MANUFACTURER Stanford Linear Accelerator			JOB NUMBER 49995.52036	
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
3	06-13-05	X	1258	+0:04:18	Sine - Search 20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / 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
		X	1308	+0:01:01		Random Accept.
		X	1314	+0:04:18		Sine Search
		Y	1332	+0:04:18		Sine Search
		Y	1344	+0:01:00		Random Accept.
		Y	1349	+0:04:18		Sine Search
		Z	1457	+0:04:18		Sine Search
		Z	1510	+0:01:01		Random Accept.
3		Z	1518	+0:04:18		Sine Search
2		Z	1539	+0:04:18		Sine Search
		Z	1551	+0:01:01	Random Accept.	
2		Z	1557	+0:04:18	Sine Search	
1		Z	1622	+0:04:18	Sine Search	
1	06-13-05	Z	1633	+0:01:01	Random Accept.	

Sine CX1 X-Axis Control

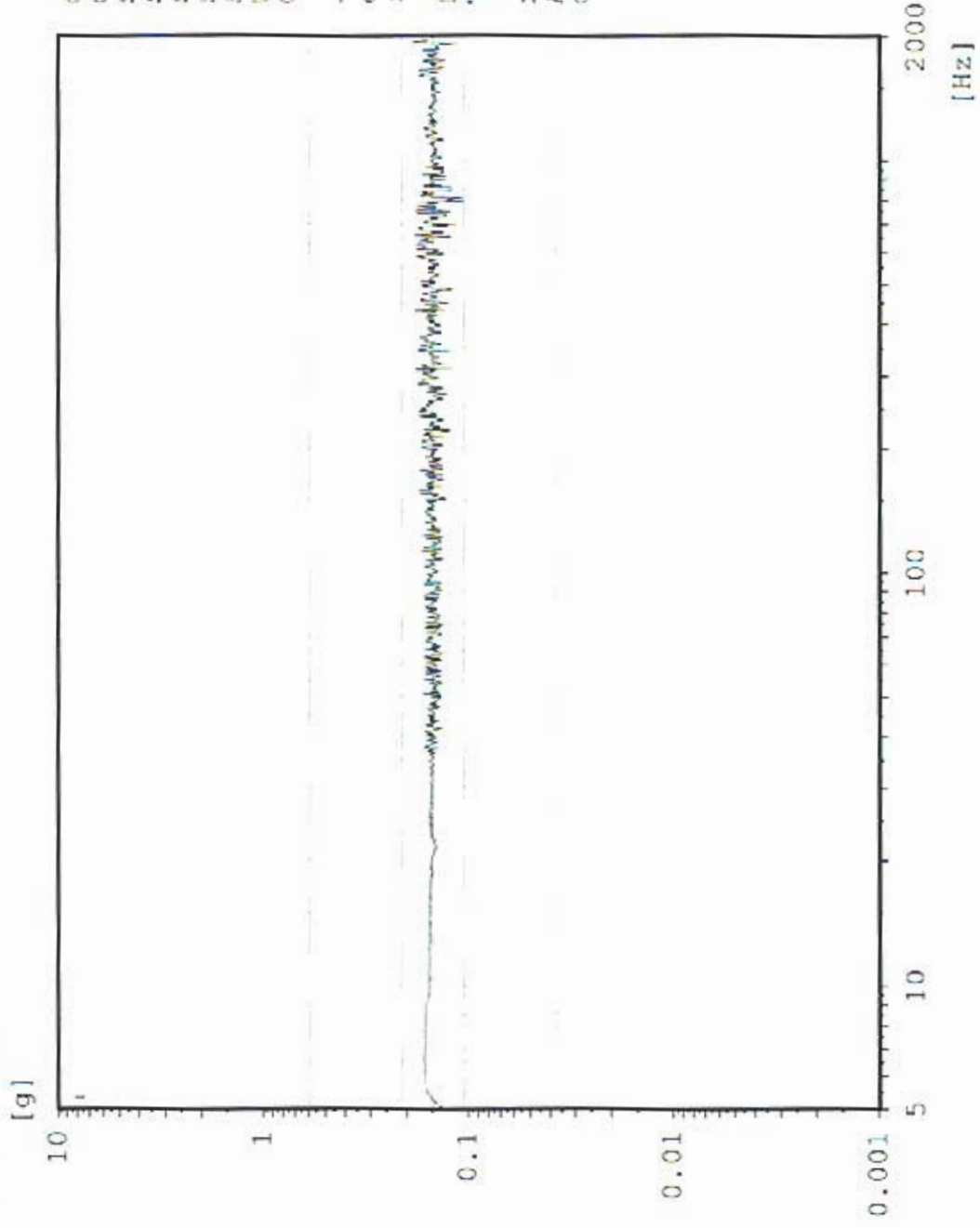
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

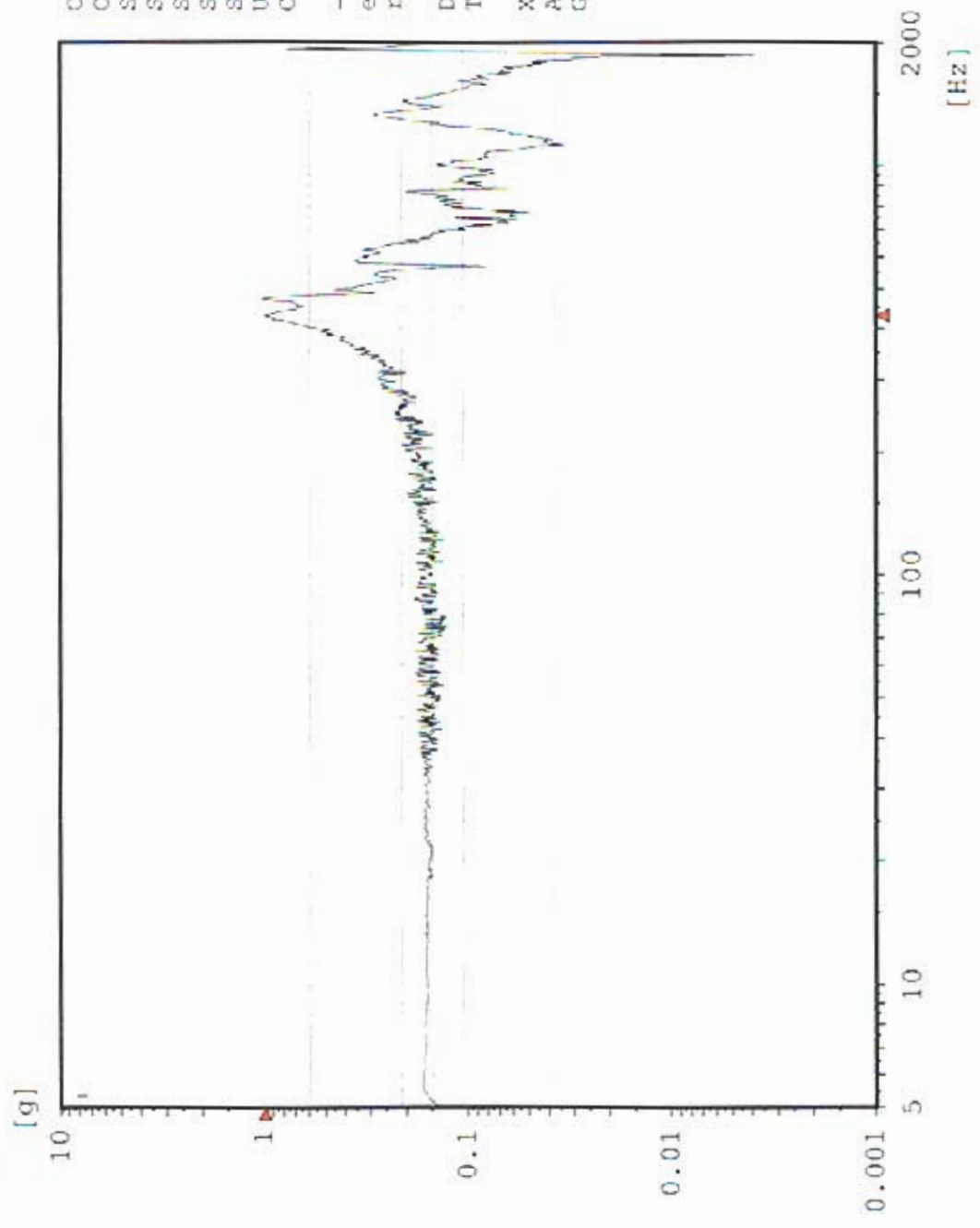
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00
Date: 06-13-05
Time: 13:02:51

X - axis Pre Random
Acceptance Unit
GLAT 1838



Sine AX3 TPS top center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



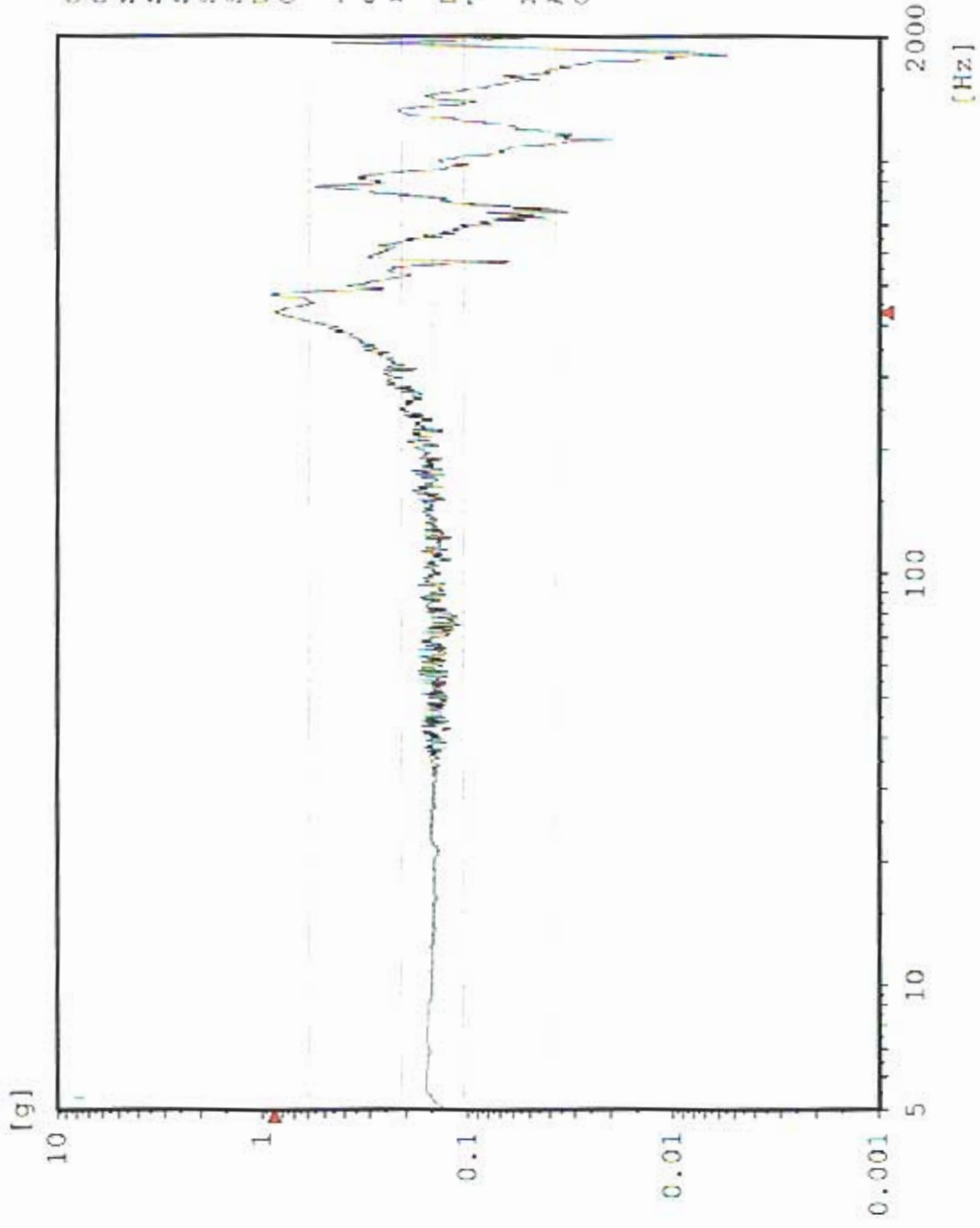
Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00
 Date: 06-13-05
 Time: :3:02:51

X - axis Pre Random
 Acceptance Unit
 GLAT 1838

AX4 TPS top edge

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 3 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:09:00

Date: 06-13-05
 Time: 13:02:51

X - axis Pre Random
 Acceptance Unit
 GLAT 1838

Sine AX1 TEM center edge

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

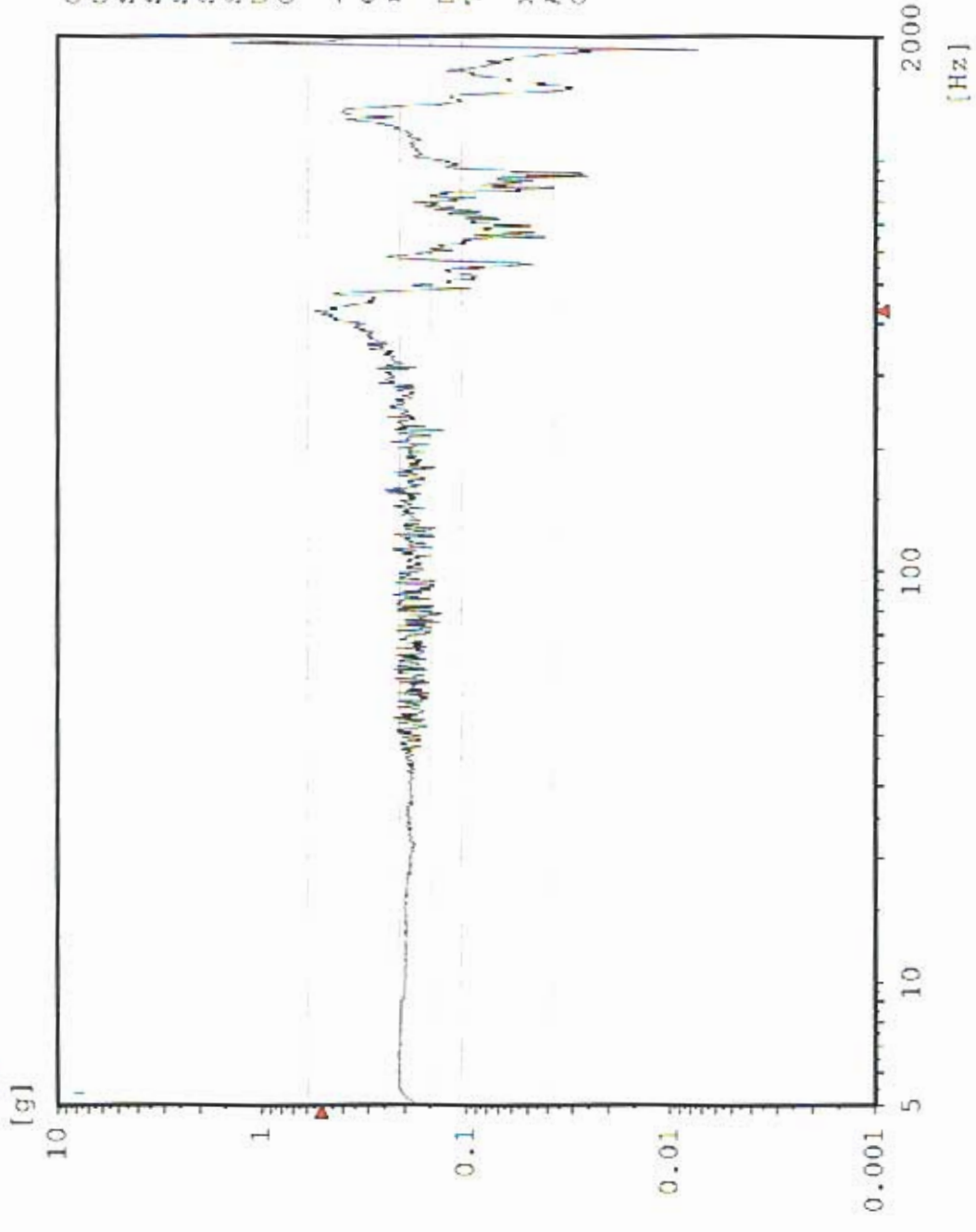


Chan.no: 5
Chan.type: E Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 06-13-05
Time: 13:02:51

X - axis Pre Random
Acceptance Unit
GLAT 1838



AX2 TPS CG

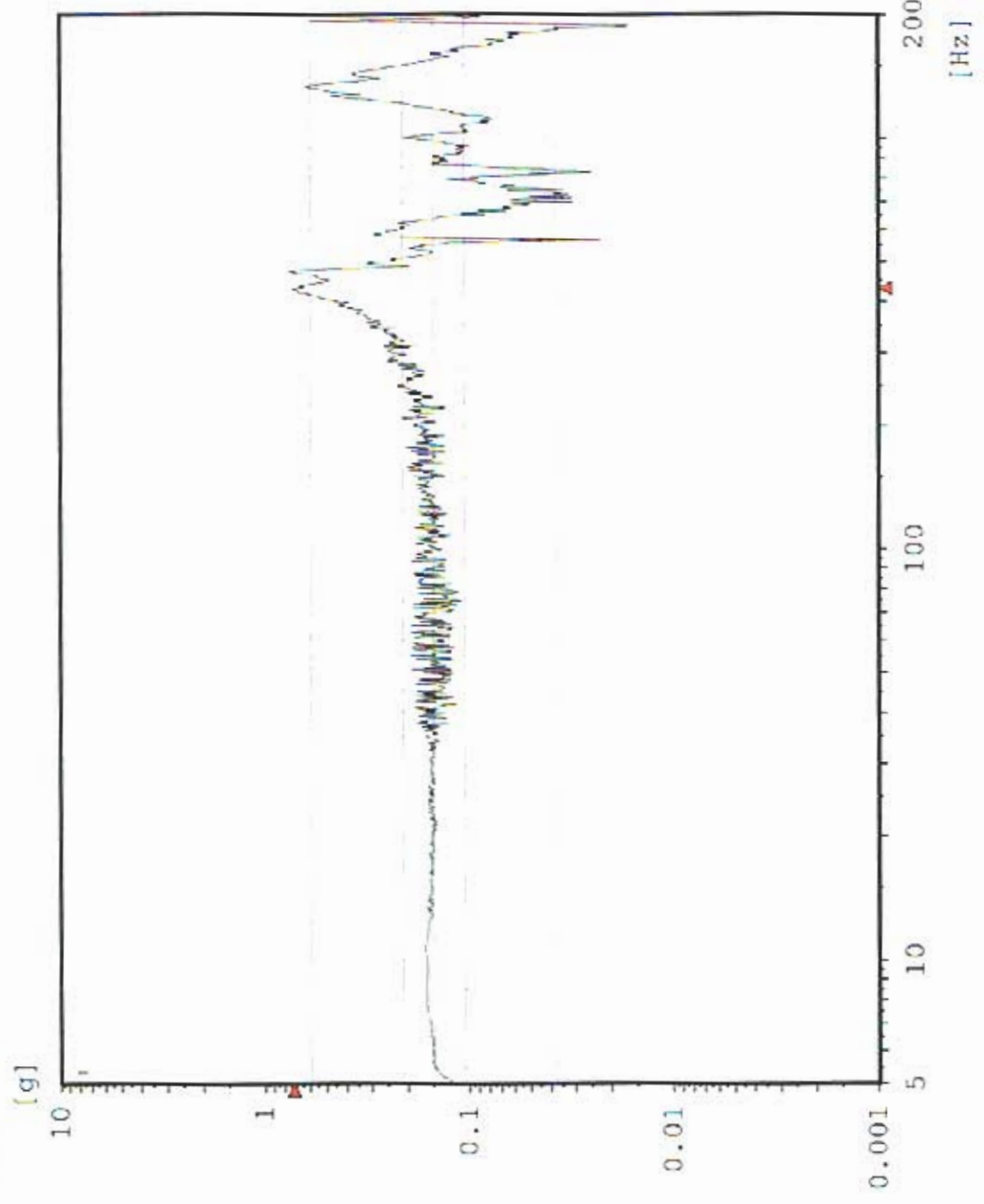
Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:09:00
Date: 06-13-05
Time: 13:02:51

X - axis Pre Random
Acceptance Unit
GLAT 1838



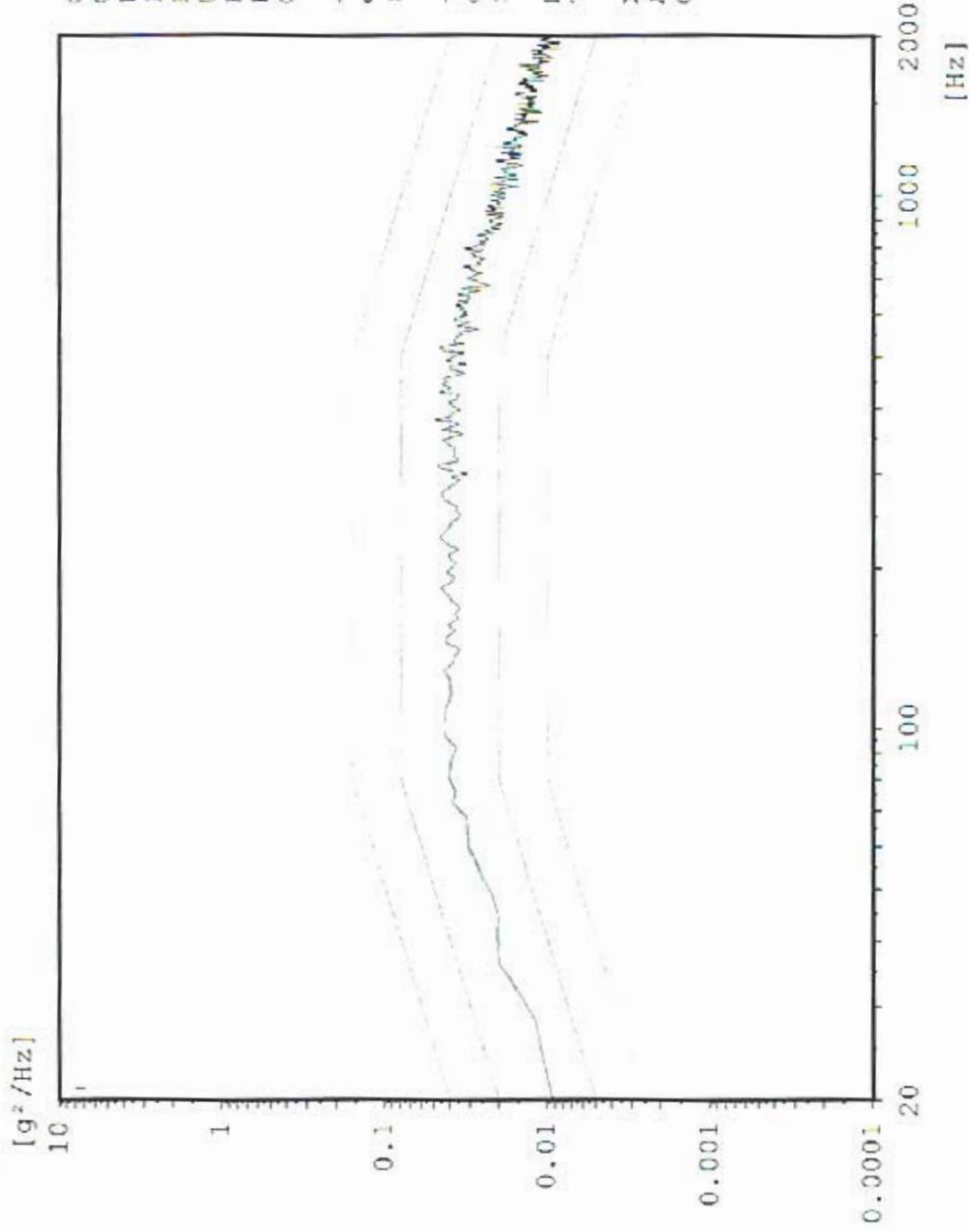
Random

CX1 X-Axis Control

Stanford Linear Accelerator

J/N 49995.52036

TEM & TPS



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g^2/Hz
RMS (act.): 6.783 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: 000:02:55
remaining: 000:00:00

Date: 06-13-05
Time: 13:09:32

X - Axis
Acceptance Unit
GLAT 1838

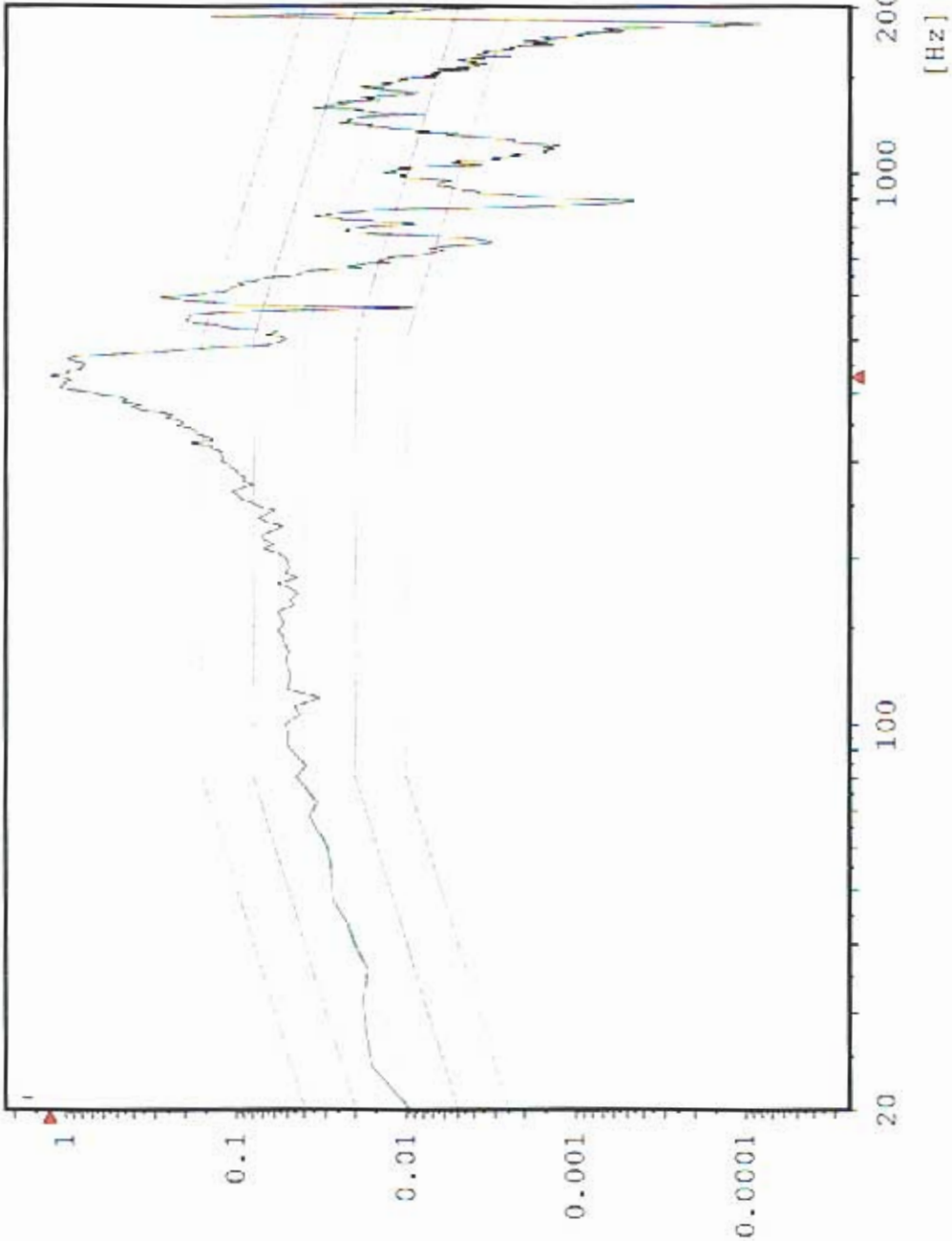
Max: 428 Hz 1.251 g²/Hz

Random AX4 TPS Top Center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 6.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 11.99 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 000:09:00

-- Time total --
elapsed: 000:02:55
remaining: 000:00:00

Date: 06-13-05
Time: 13:09:32

X - Axis
Acceptance Unit
GLAT 1838

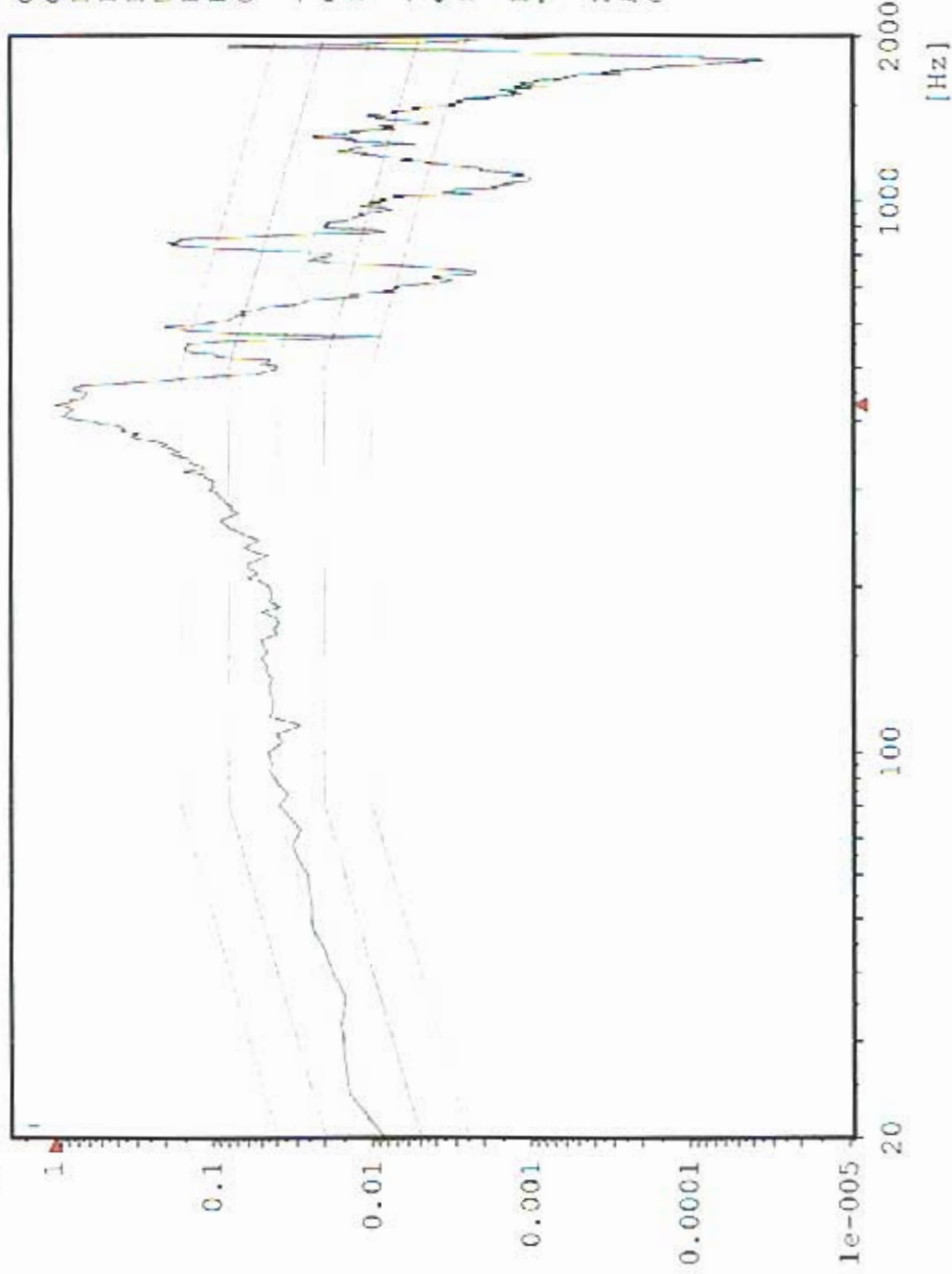
Max: 4.28 Hz 0.9853 g²/Hz

Random AX3 TPS Top Edge

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 3
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.91 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: 000:02:55
remaining: 000:00:00

Date: 06-13-05
Time: 13:09:32

X - Axis
Acceptance Unit
GLAT 1838

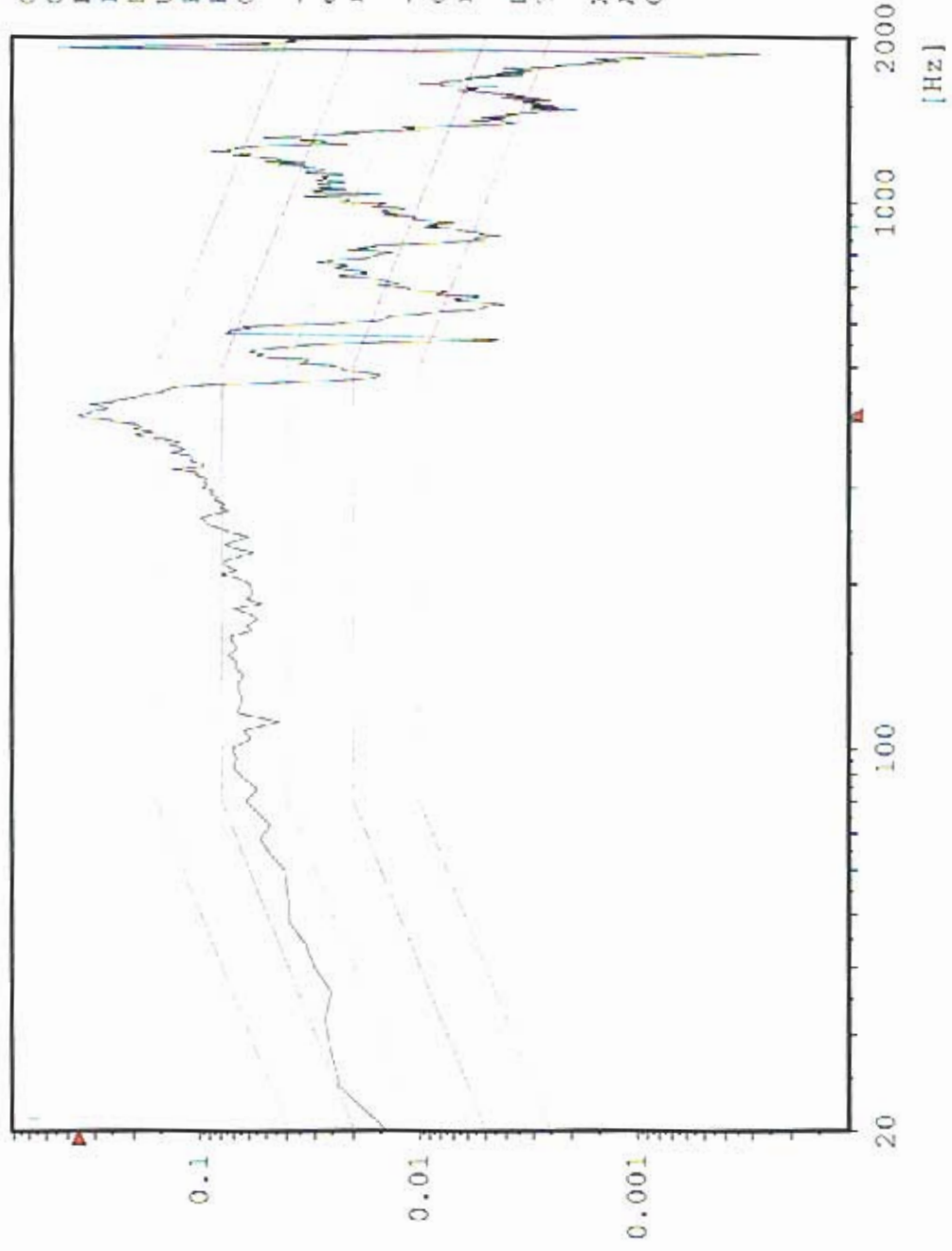
Cursor: 408 Hz 0.3588 g²/Hz

Random CH# 5 TEM center edge

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 9.048 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: 000:02:55
remaining: 000:00:00

Date: 06-13-05
Time: 13:09:32

X - Axis
Acceptance Unit
GLAT 1838

Max: 428 Hz 0.5833 g²/Hz

Random AX2 TPS Bottom center

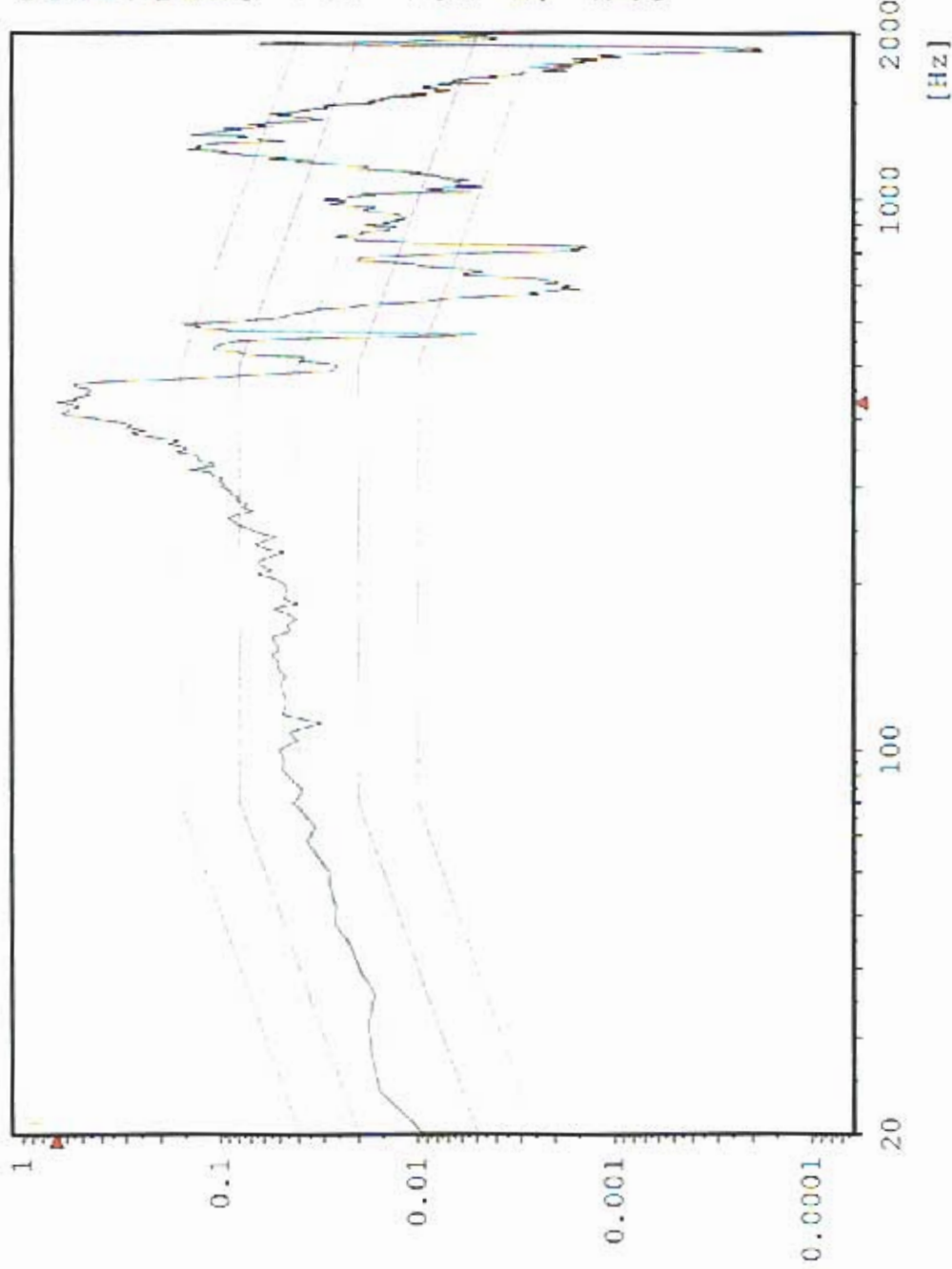
Stanford Linear Accelerator

J/N 49995.52036

TEM & TPS



[g²/Hz]



Chan.no: 10 M
Chan.type: 100
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.6 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: 000:02:55
remaining: 000:00:00

Date: 06-13-05
Time: 13:09:32

X - Axis
Acceptance Unit
GLAT 1838

Sine CX1 X-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS

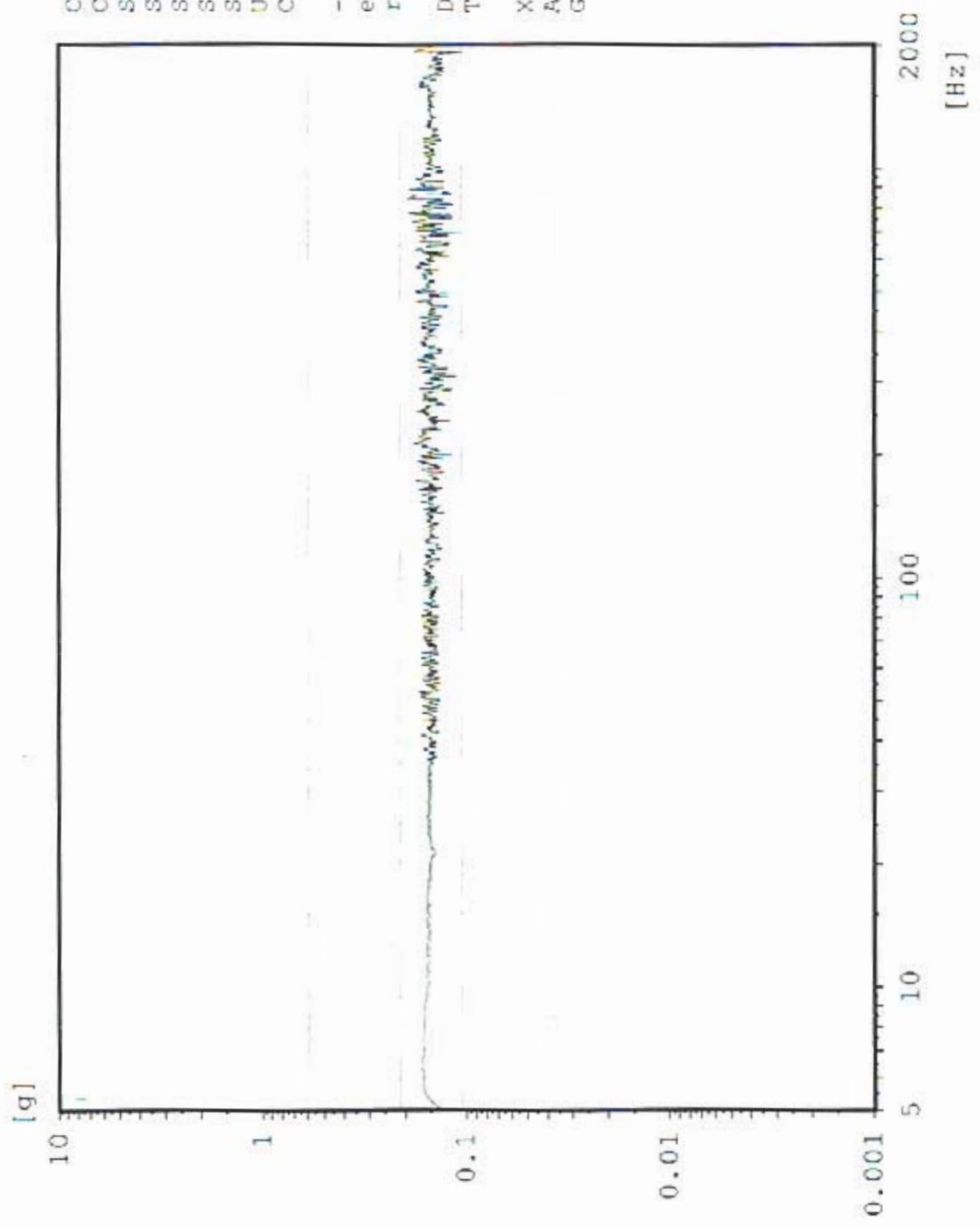


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

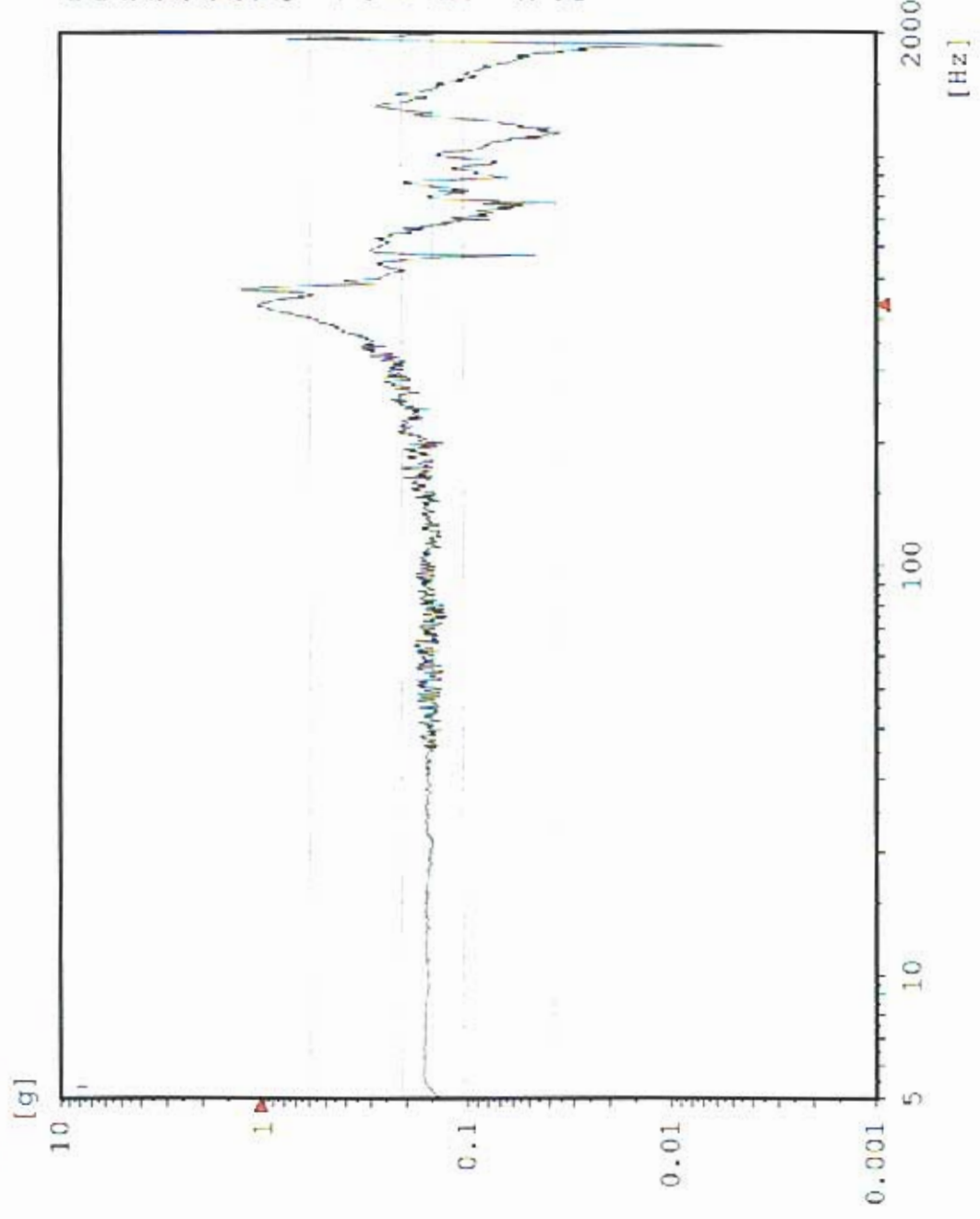
Date: 06-13-05
Time: 13:18:55

X - axis Post Random
Acceptance Unit
GLAT 1838



Sine AX3 TPS top center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00
 Date: 06-13-05
 Time: 13:18:55
 X - axis Post Random.
 Acceptance Unit
 GLAT 1838

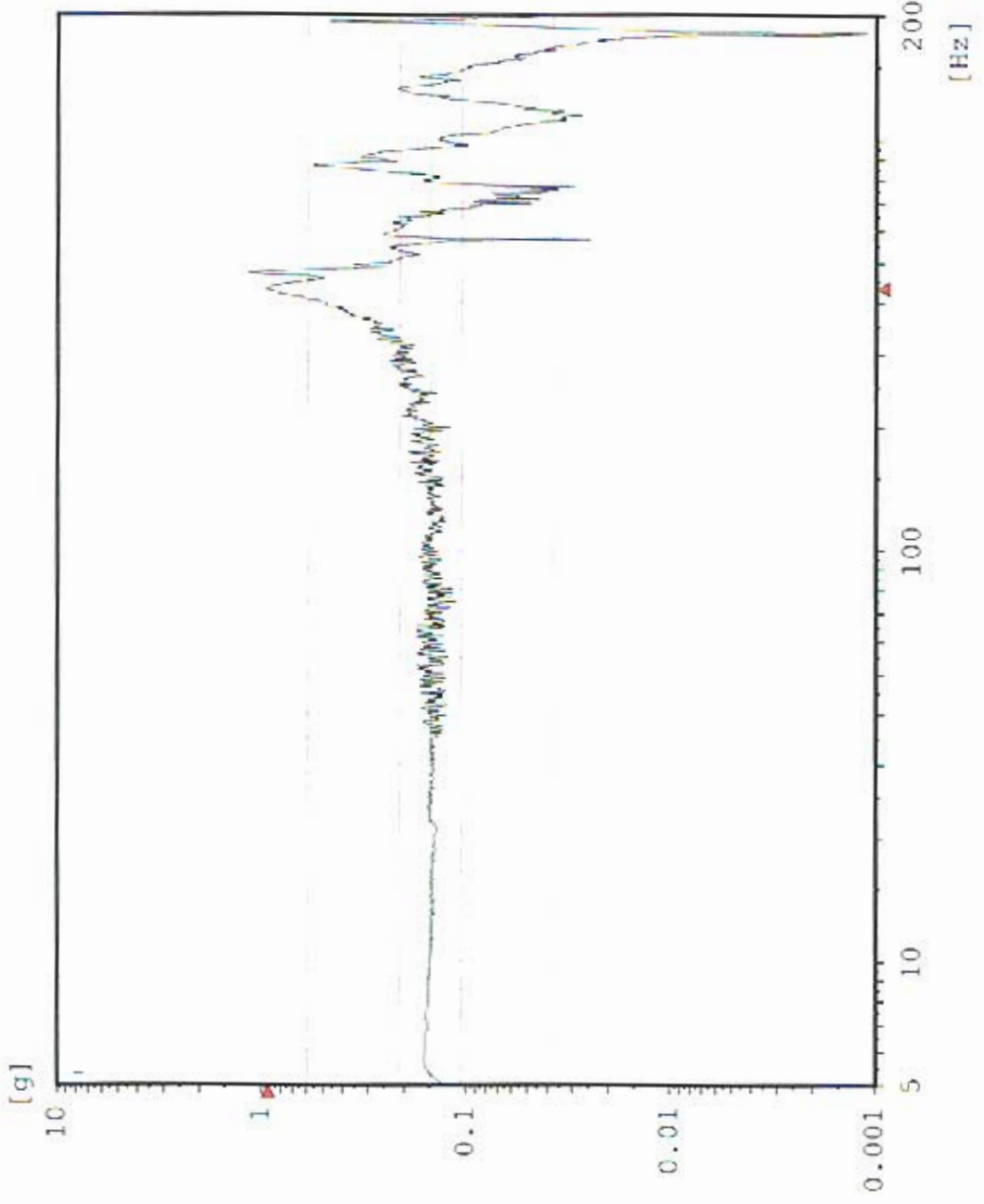
Sine AX4 TPS top edge

Stanford Linear Accelerator
J/N 49995.52036
TEN / TPS



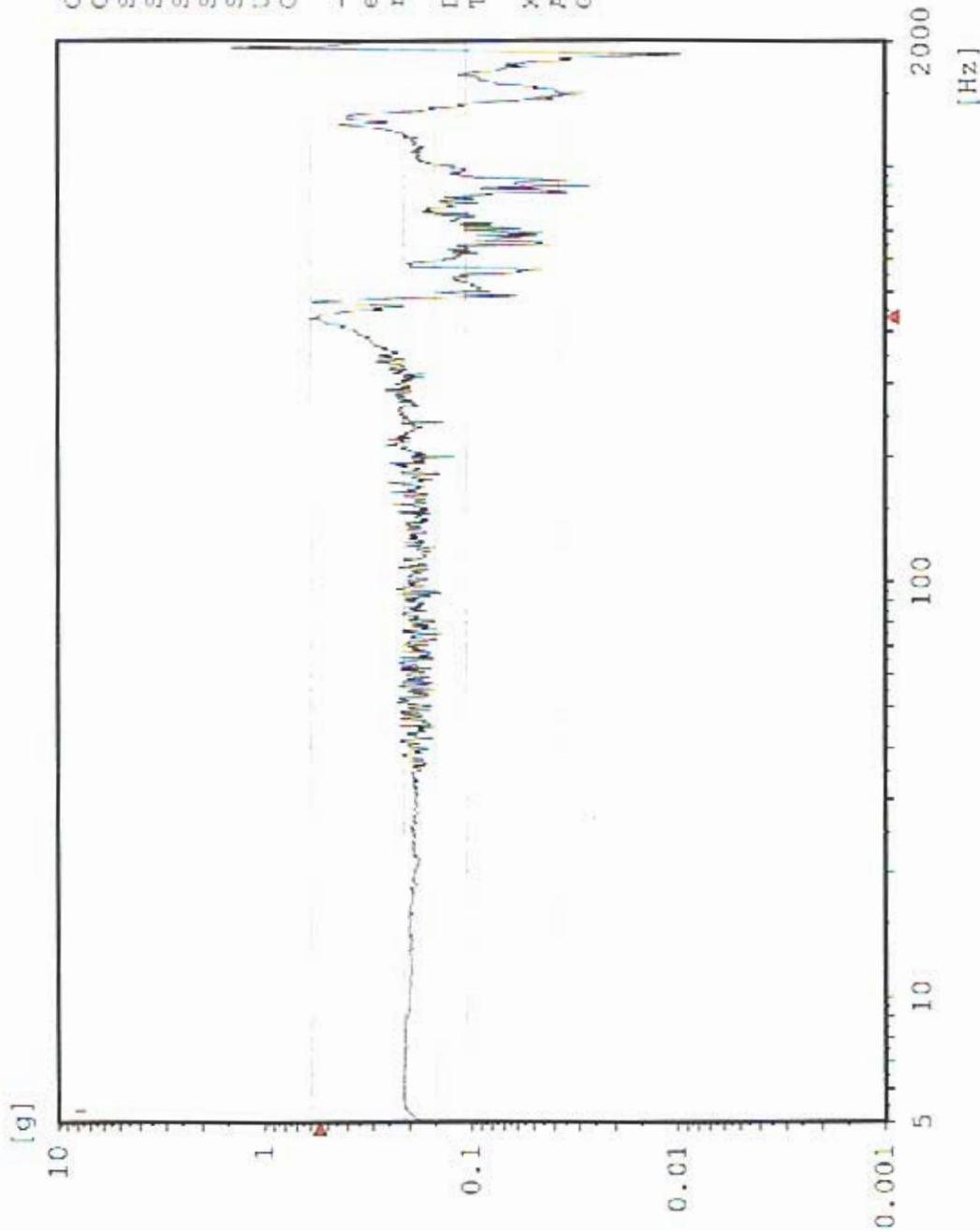
Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00
Date: 06-13-05
Time: 13:18:55
X - axis Post Random
Acceptance Unit
GLAT 1838



Sine AX1 TEM center edge

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/mir.
 Unit: g
 Contr.strat.: Closed loop

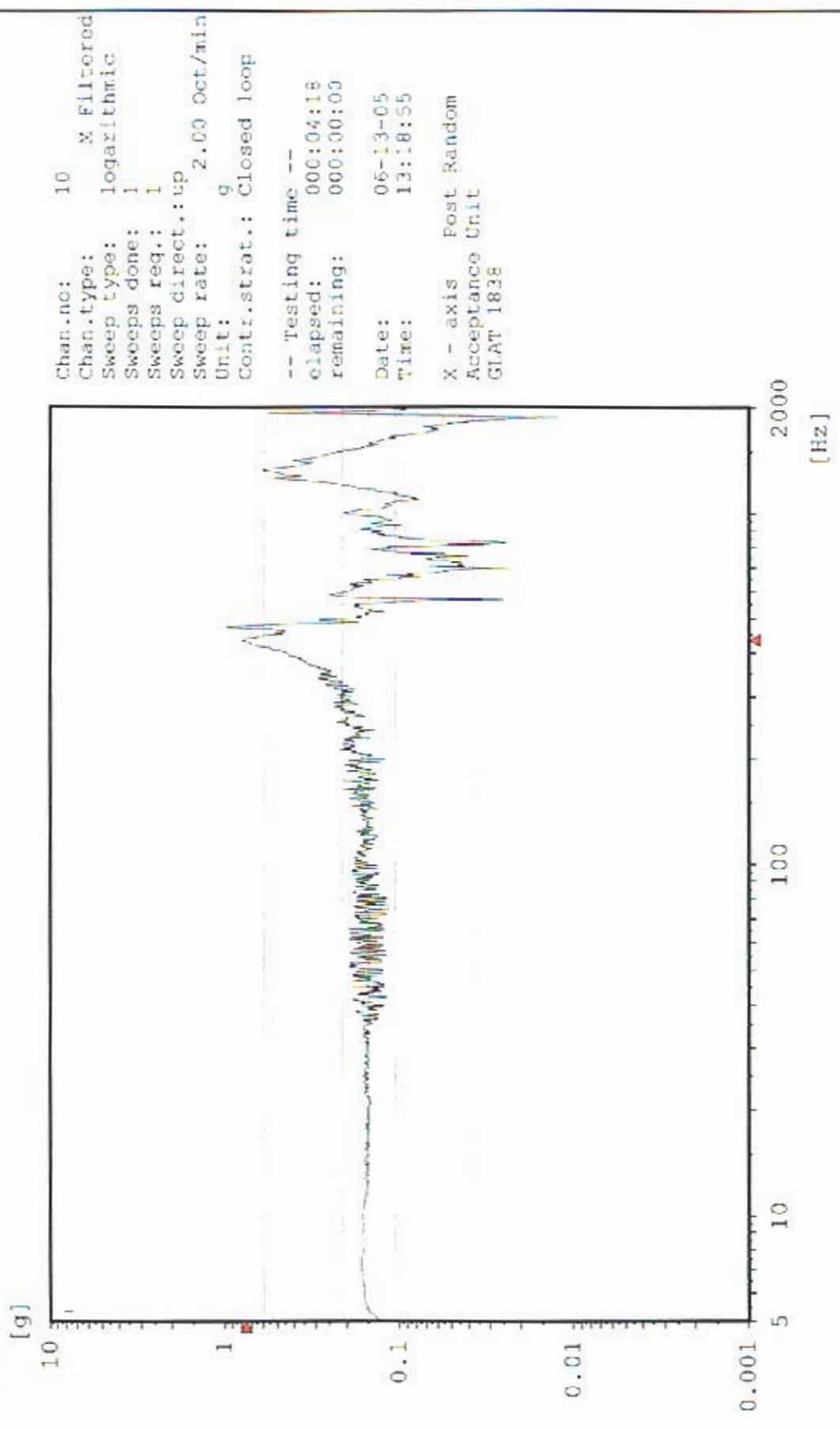
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:18:55

X - axis Post Random
 Acceptance Unit
 GLAT 1838

AX2 TPS CG

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 10
 Chan.type: X Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:18:55

X - axis Post Random
 Acceptance Unit
 GLAT 1838

Sine CY1 Y-Axis Control

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

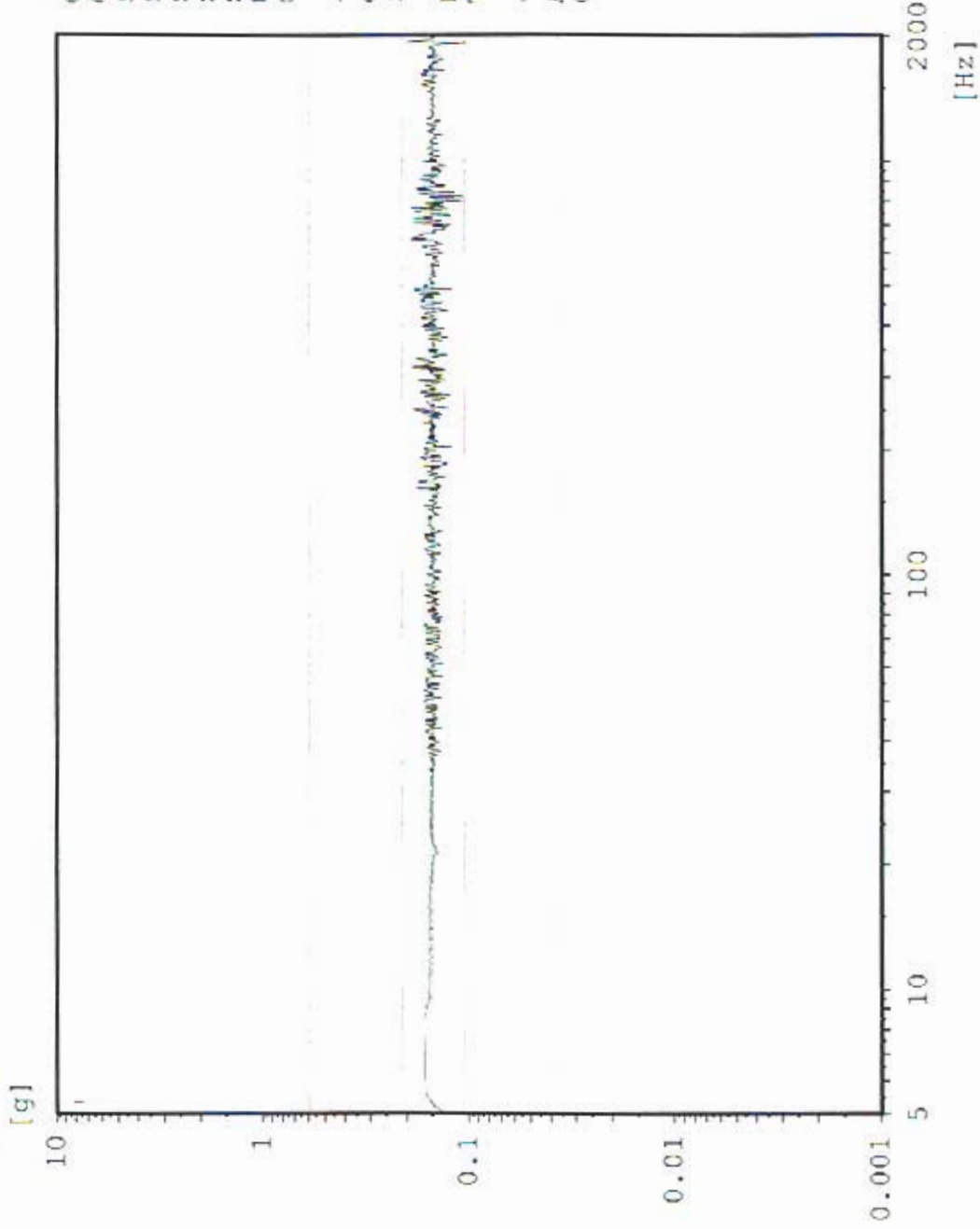


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:09:00

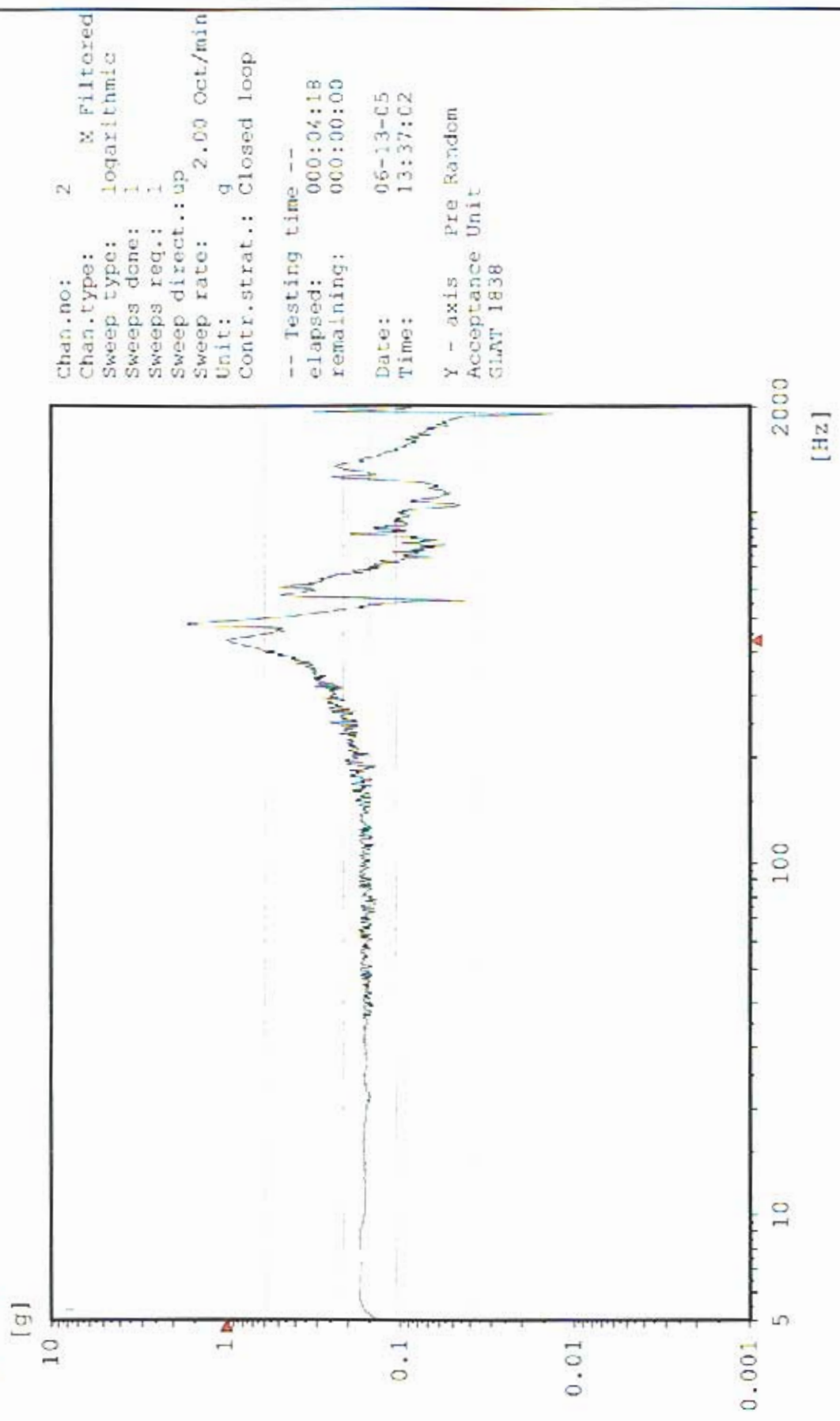
Date: 06-13-05
Time: 13:37:02

Y - axis Pre Random
Acceptance Unit
GLAT 1838



Sine AY3 TPS Top Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct./min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00
 Date: 06-13-05
 Time: 13:37:02
 Y - axis Pre Random
 Acceptance Unit
 SLANT 1838

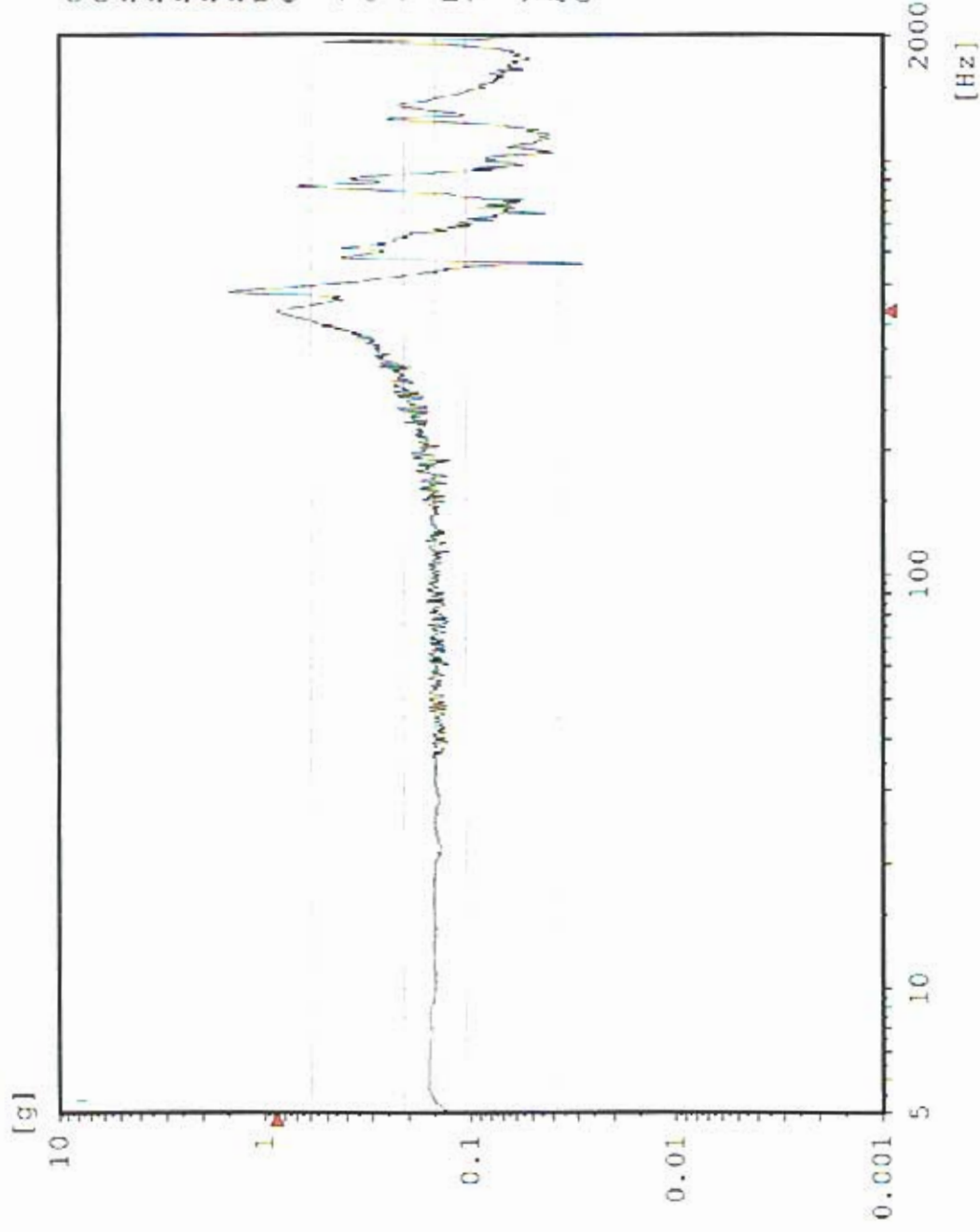
AY4 TPS Top Edge

Sine

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closec loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:37:02

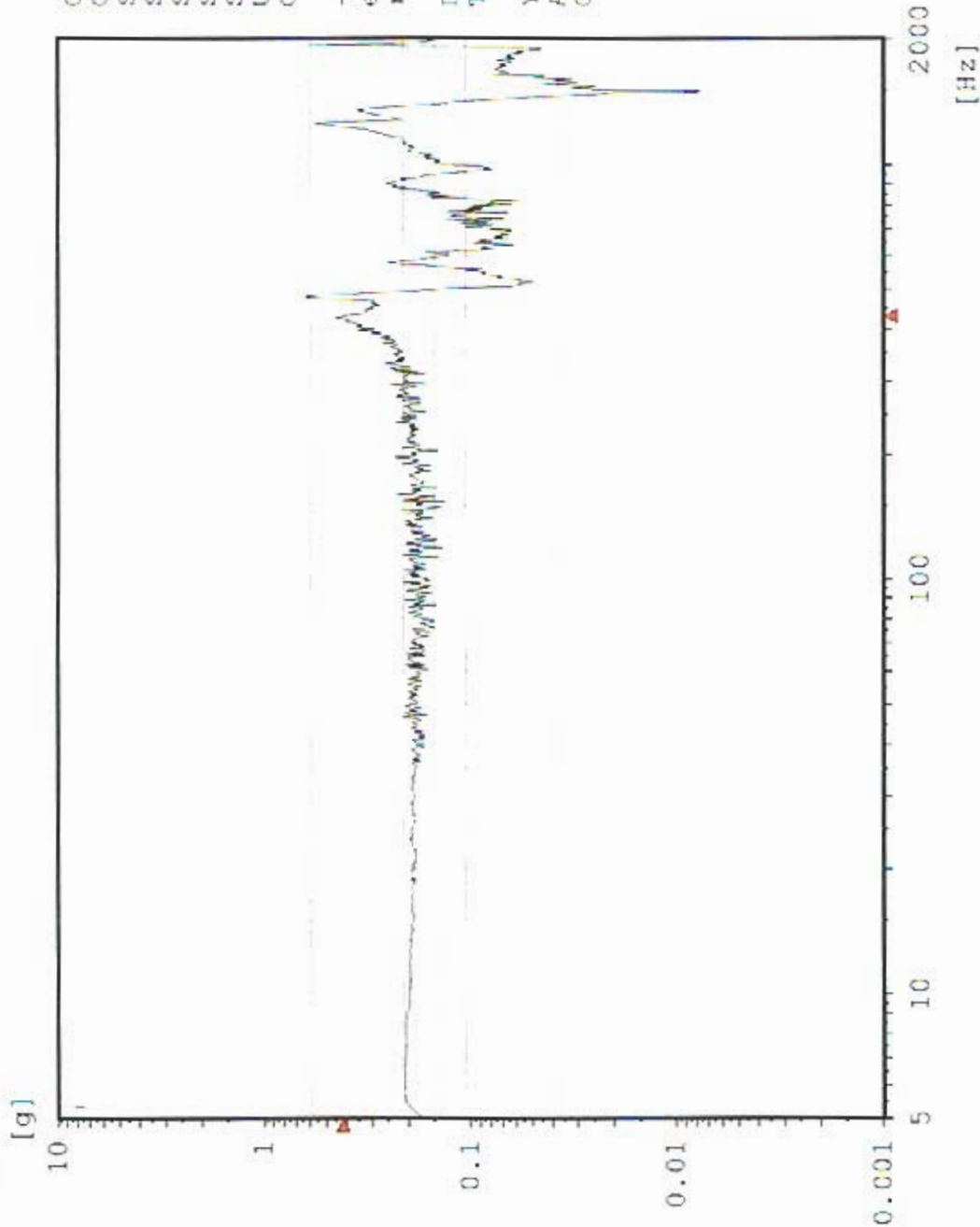
Y - axis Pre Random
 Acceptance Unit
 GLAT 1838

Sine AY1 TEM Center Edge

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

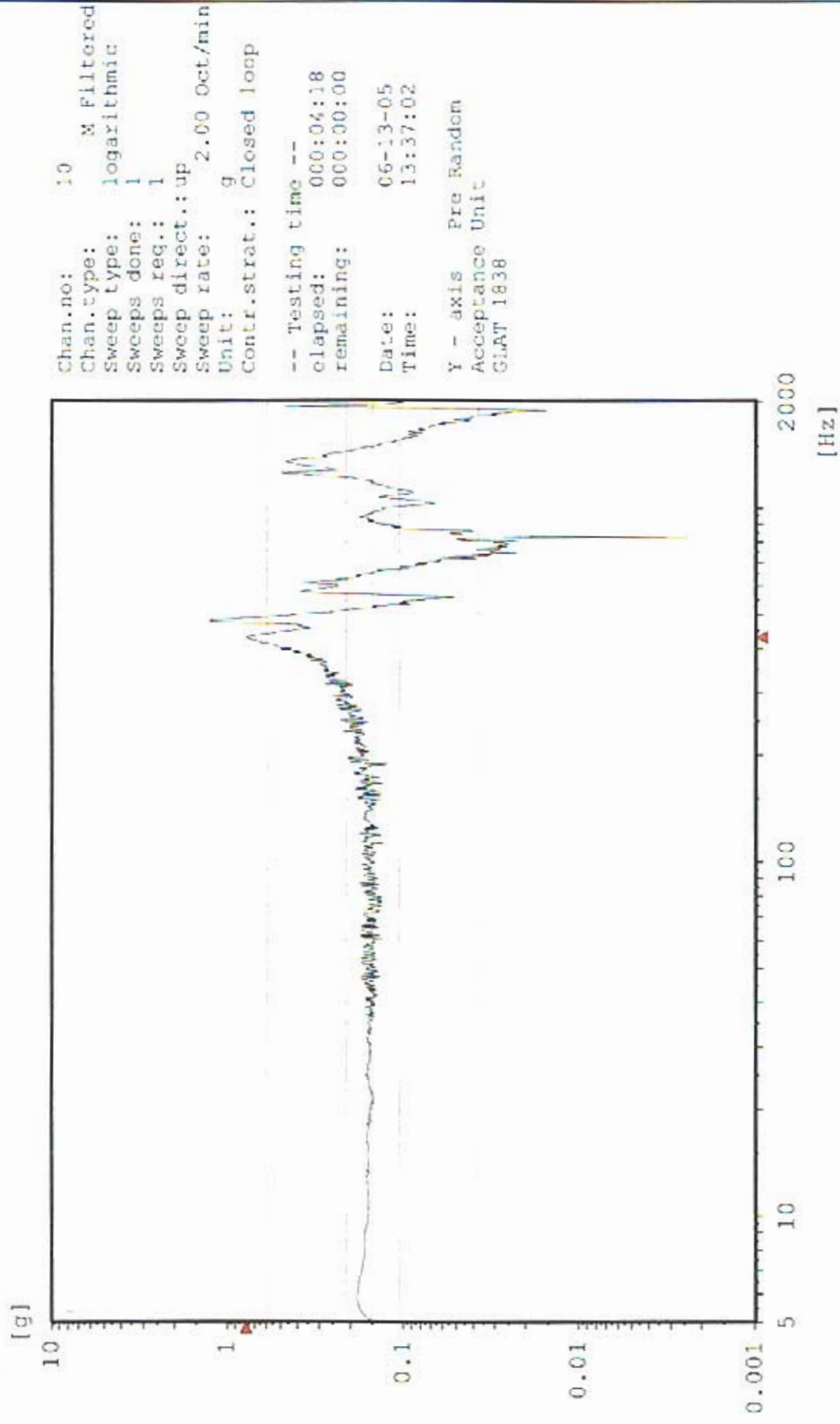
-- Testing time --
 elapsed: 000:04:19
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:37:02

Y - axis Pre Random
 Acceptance Unit
 GIAT 1838

Sine AY2 TPS CG

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

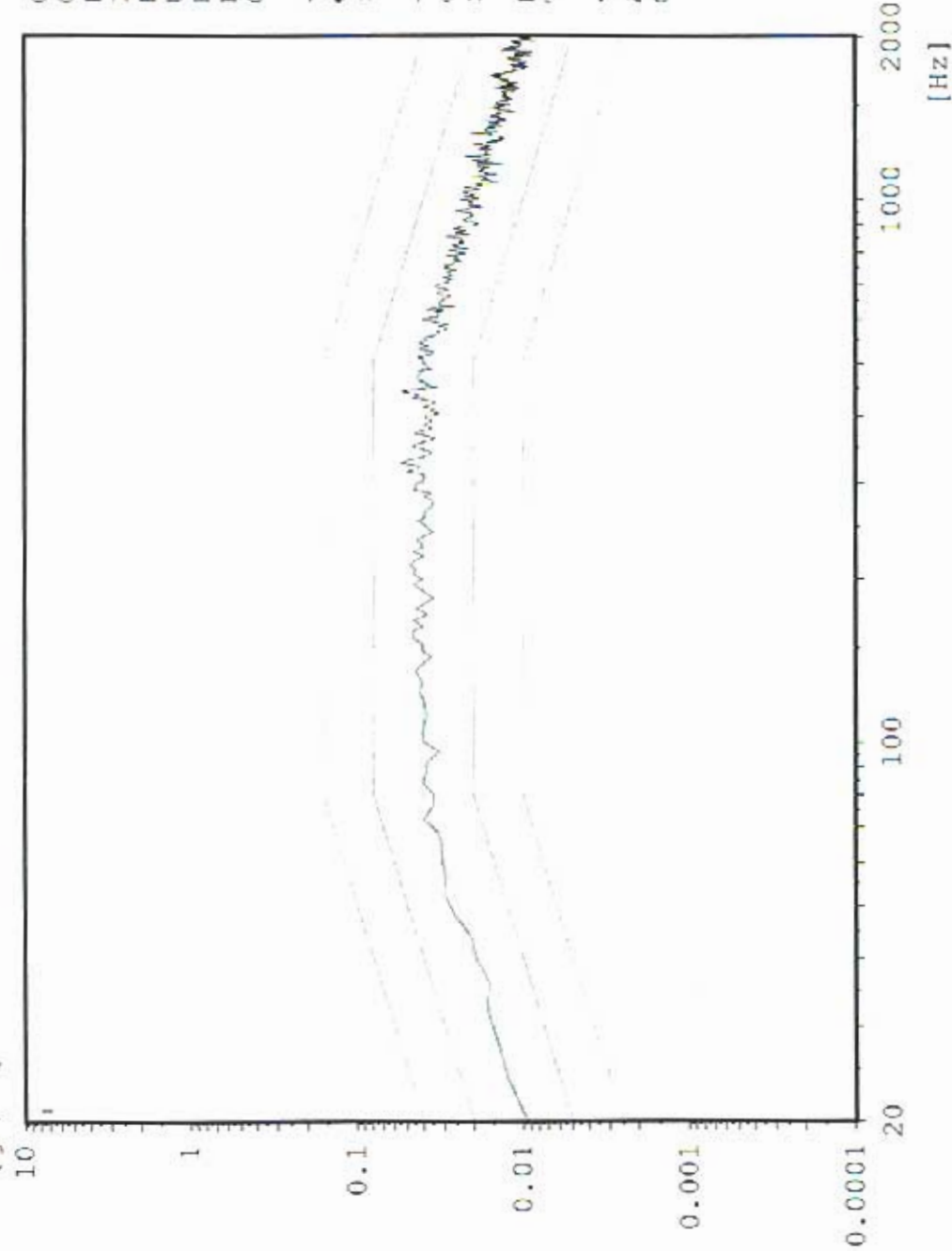


CY1 Y-Axis Control

Random
Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.829 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: 06-13-05
Time: 13:45:01

Y - Axis
Acceptance Unit
GLAT 1838

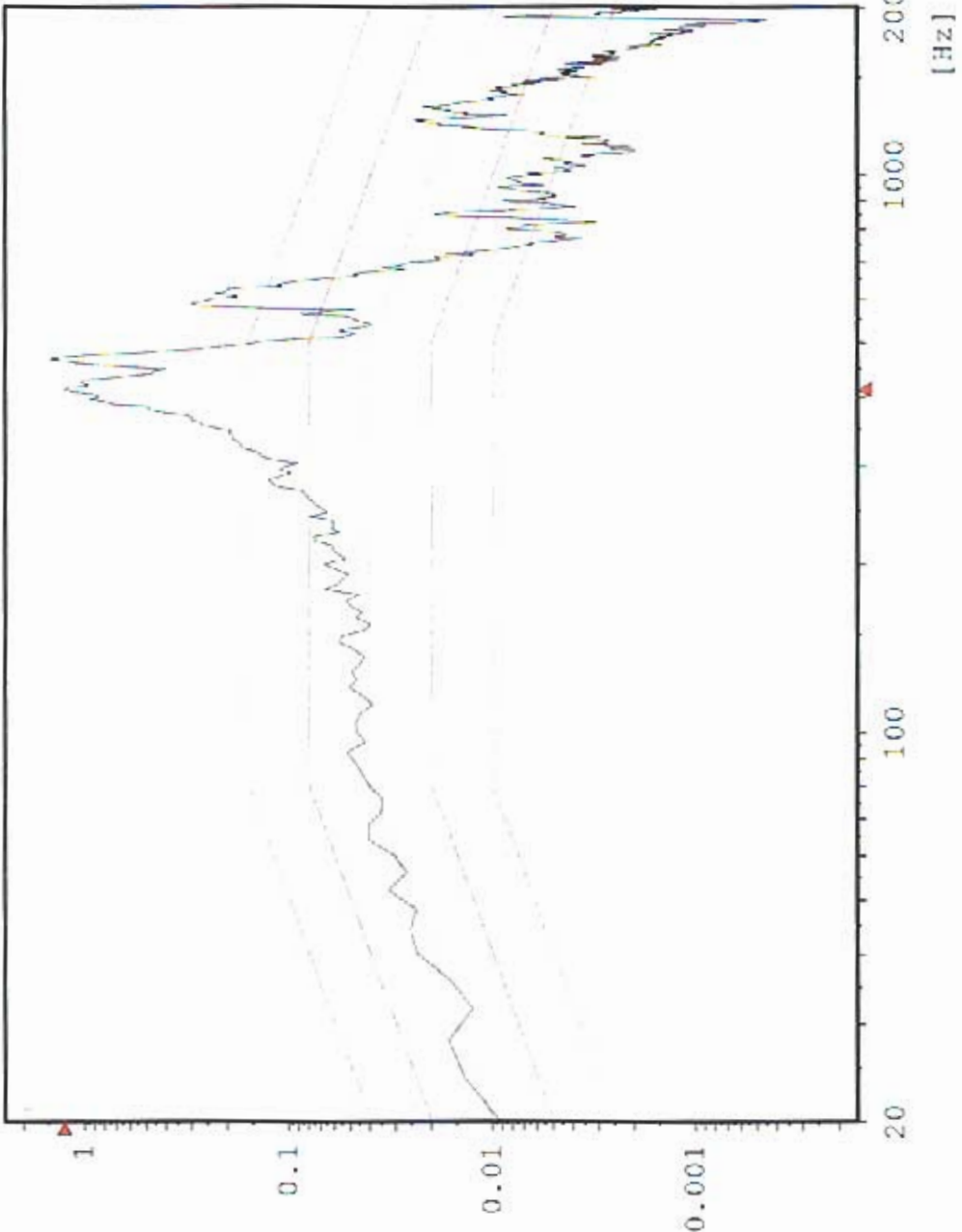
Cursor: 412 Hz 1.264 g²/Hz

Random AY3 TPS Top Center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 2
 Chan.type: K
 DOP: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 12.47 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: 000:02:53
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:45:01

Y - Axis
 Acceptance Unit
 GLAT 1838

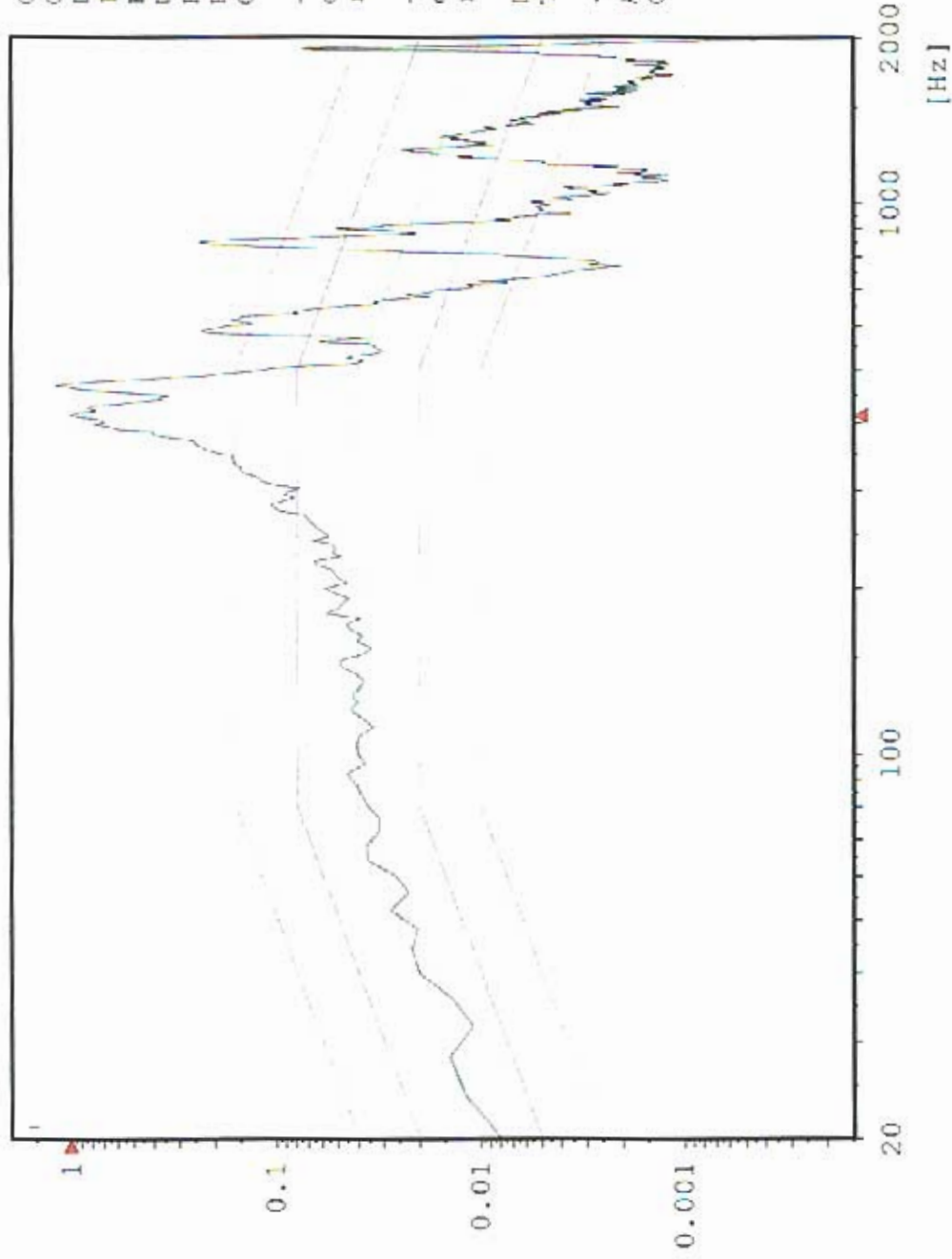
CURSOR: 412 Hz 1.022 g²/Hz

Random AY4 TPS Top Edge

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 3
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 11.63 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: 06-13-05
 Time: 13:45:01

Y - Axis
 Acceptance Unit
 GLAT 1838

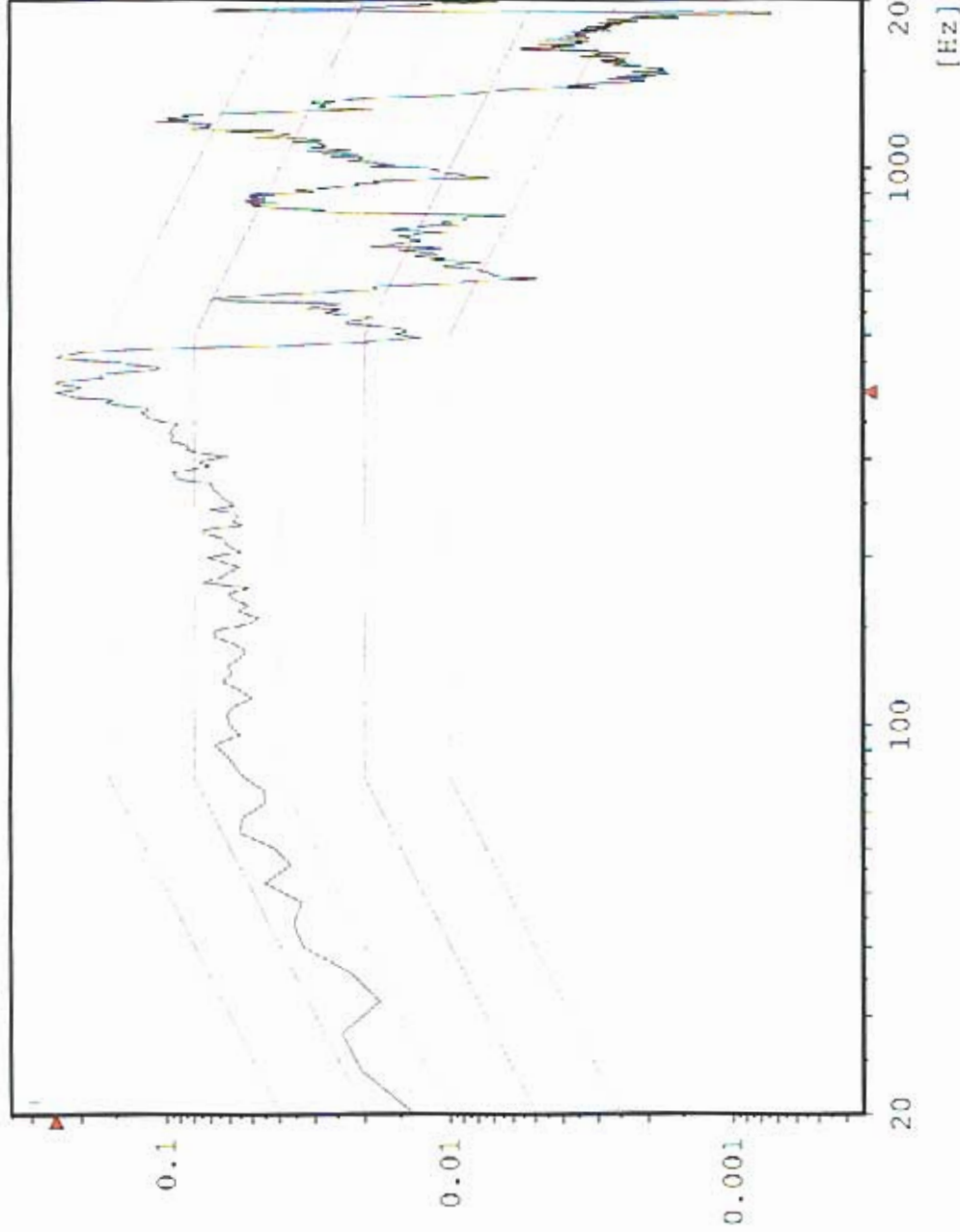
Max: 396 Hz 0.2469 g²/Hz

Random AY1 TEM Center Edge

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 8.436 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: 06-13-05
Time: 13:45:01

Y - Axis
Acceptance Unit
GLAT 1838

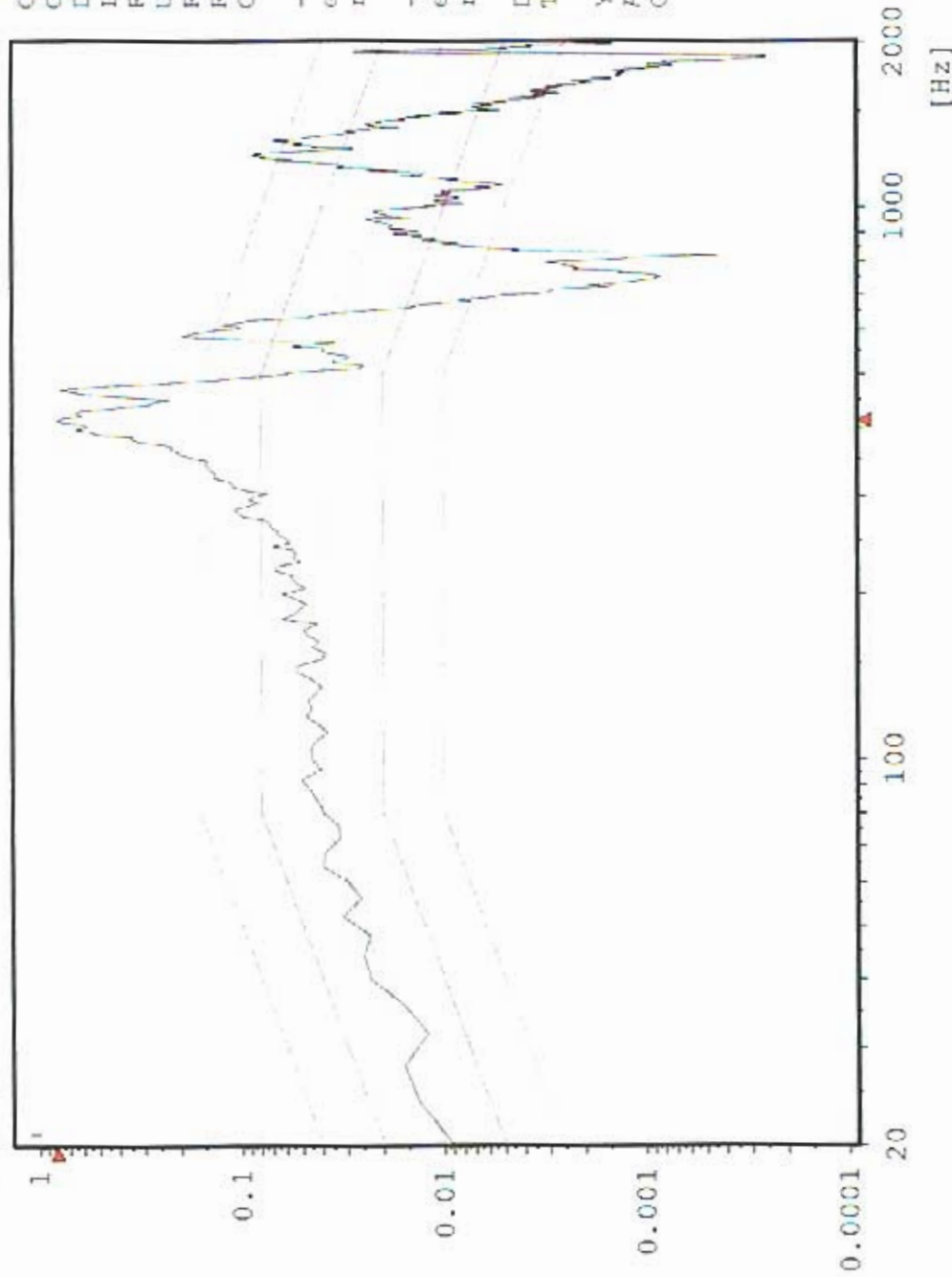
Max: 412 Hz 0.8181 g²/Hz

Random AY2 TPS CG

Stanford Linear Accelerator
J/N 45995.52036
TEM & TPS



[g²/Hz]



Chan.no: 10 M
Chan.type: 100
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.63 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: 06-13-05
Time: 13:45:01

Y - Axis
Acceptance Unit
GLAC 1838

CY1 Y-Axis Control

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

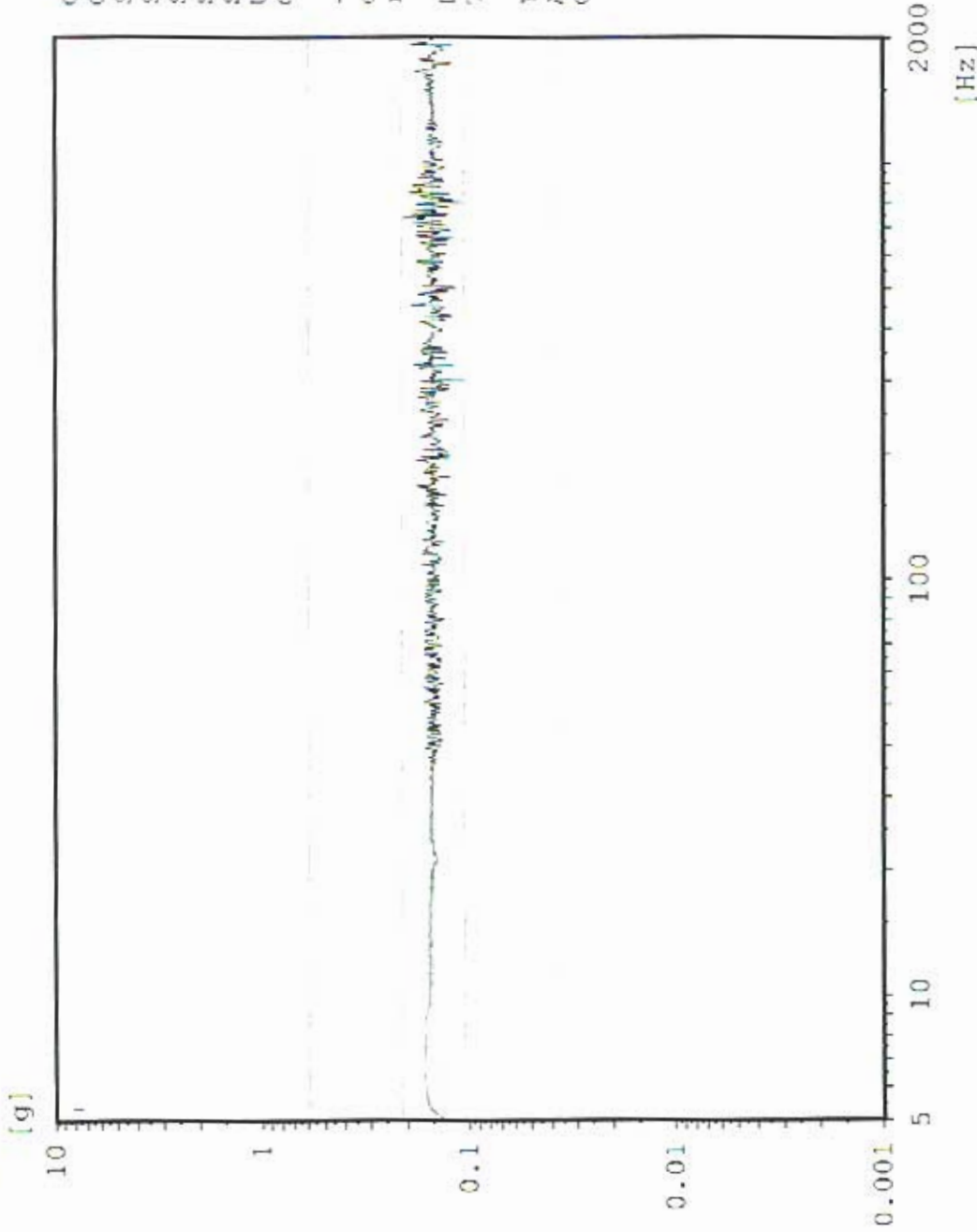


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

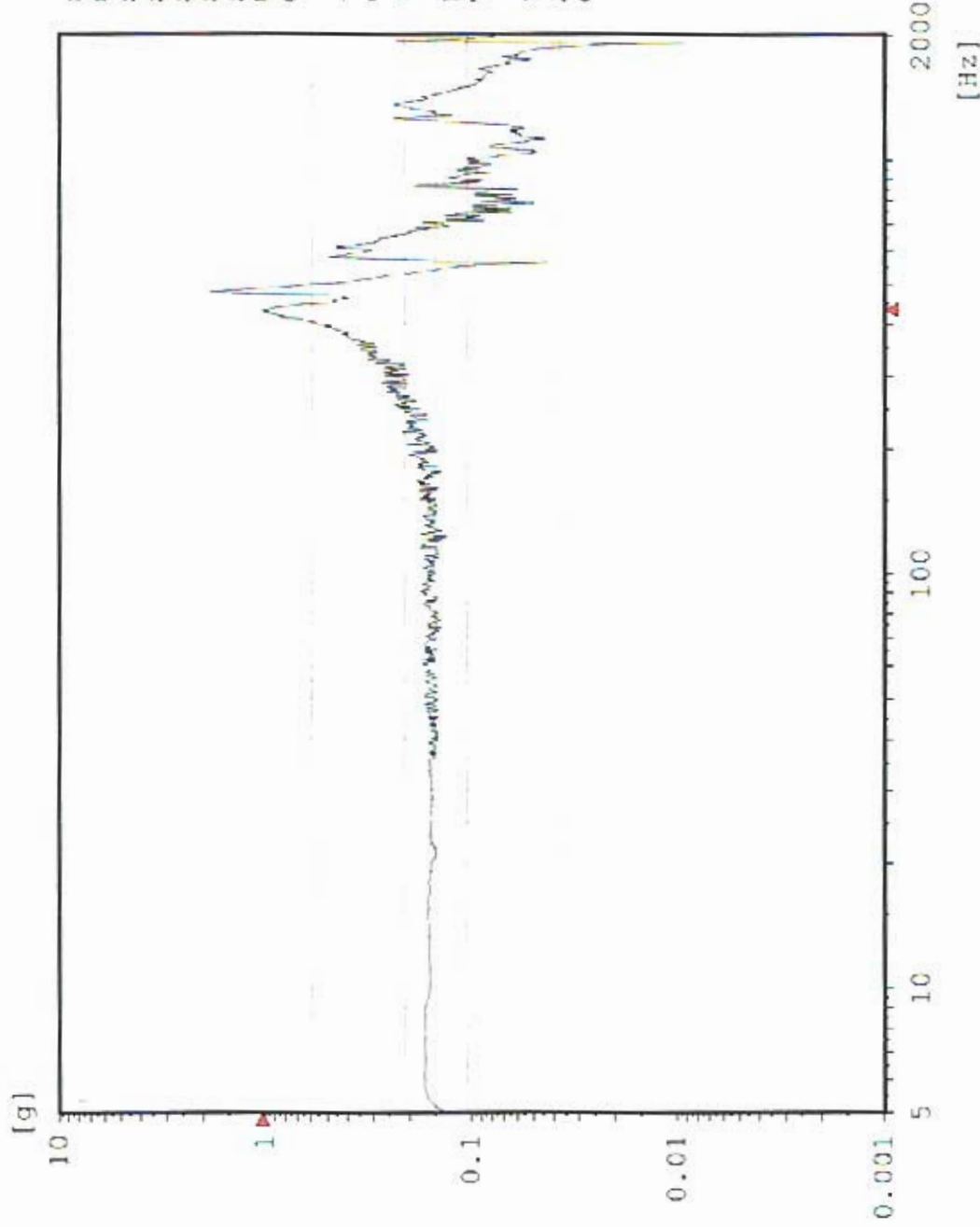
Date: 06-13-05
Time: 13:54:05

Y - axis Post Random
Acceptance Unit
GLAT 1838



Sine AY3 TPS Top Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 2 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct./min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:54:05

Y - axis Post Random
 Acceptance Unit
 GLAT 1838

AY4 TPS Top Edge

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

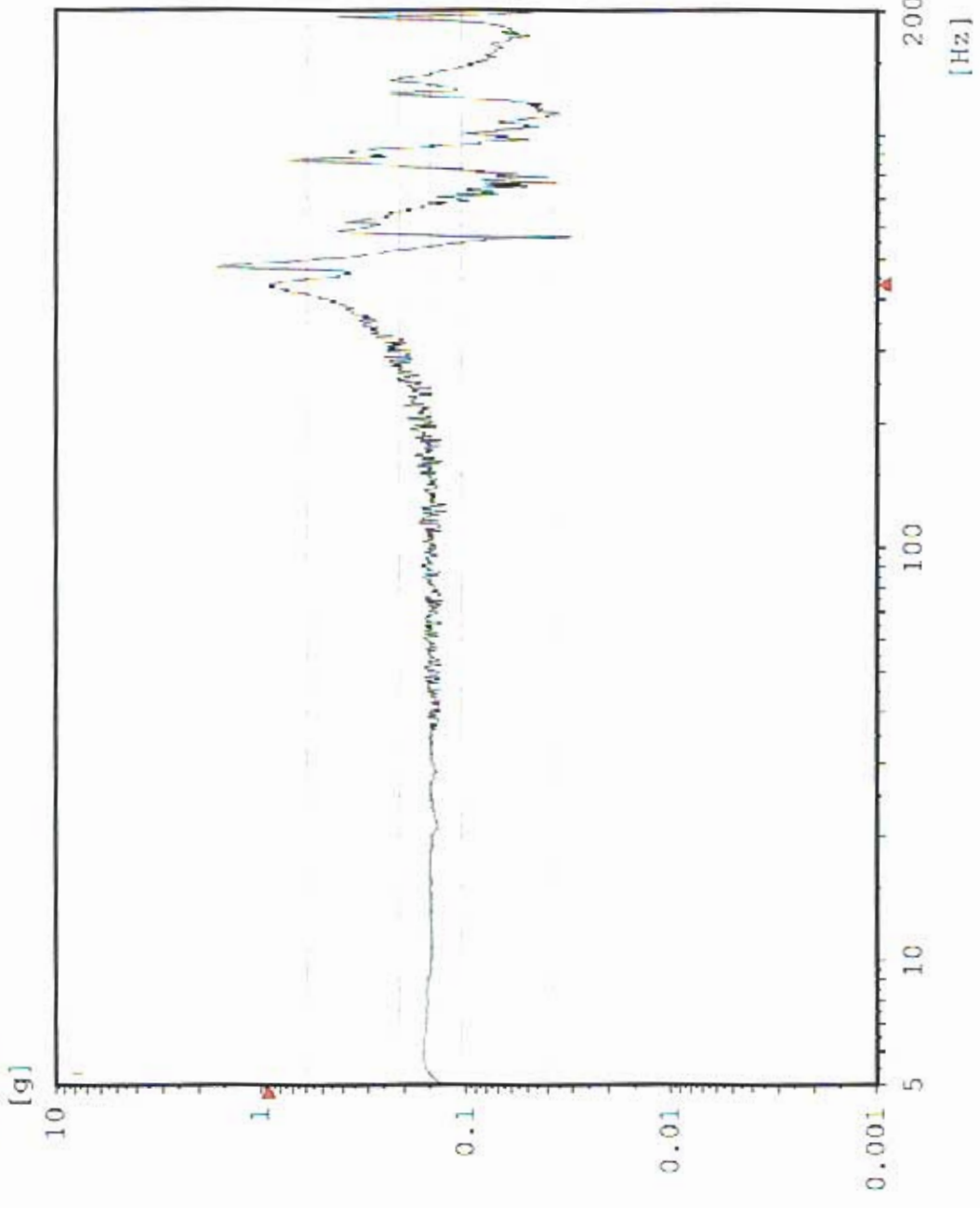


Chan.no: 3 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 06-13-05
Time: 13:54:05

Y - axis Post Random
Acceptance Unit
GLAT 1838

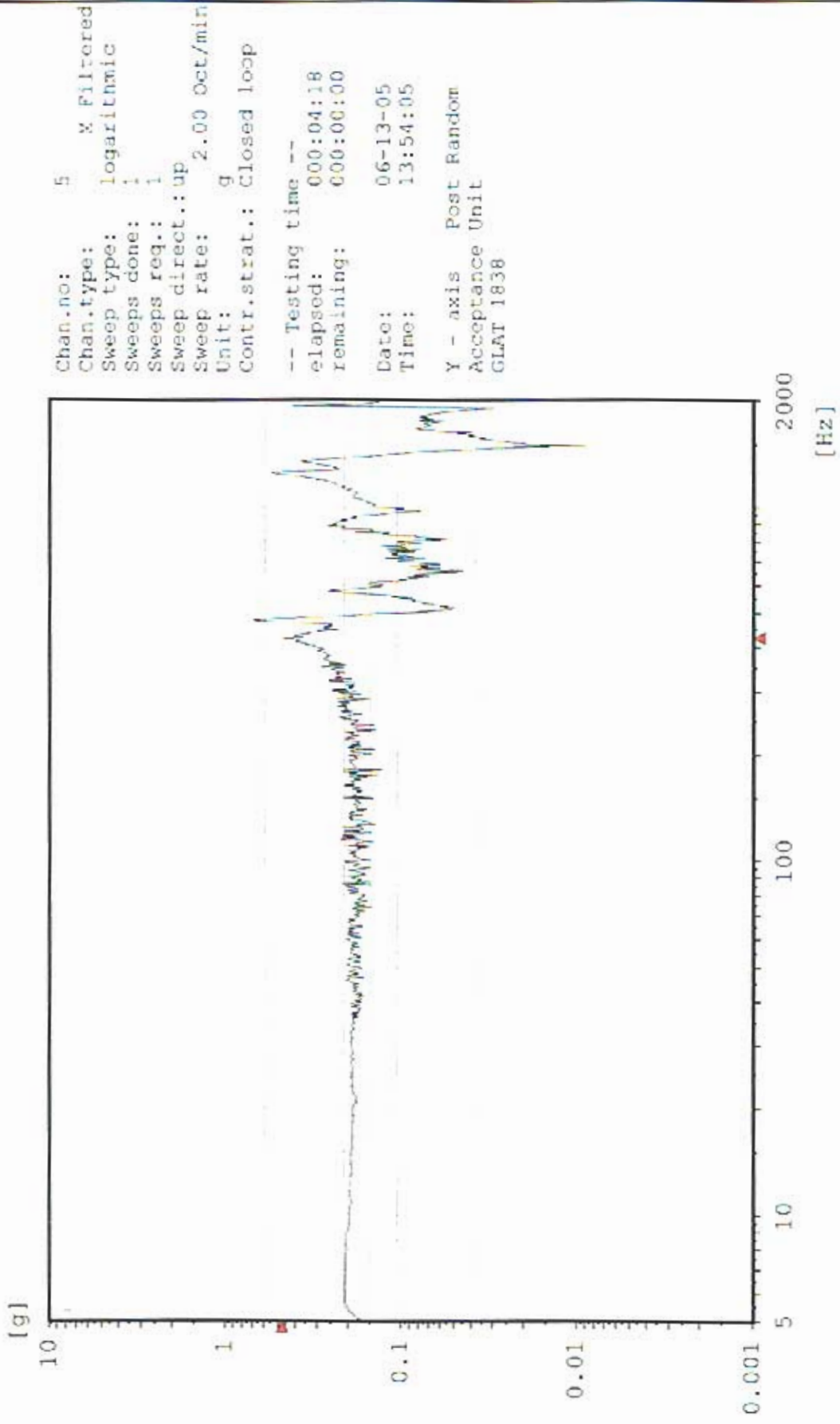


Sine AY1 TEM Center Edge

Stanford Linear Accelerator

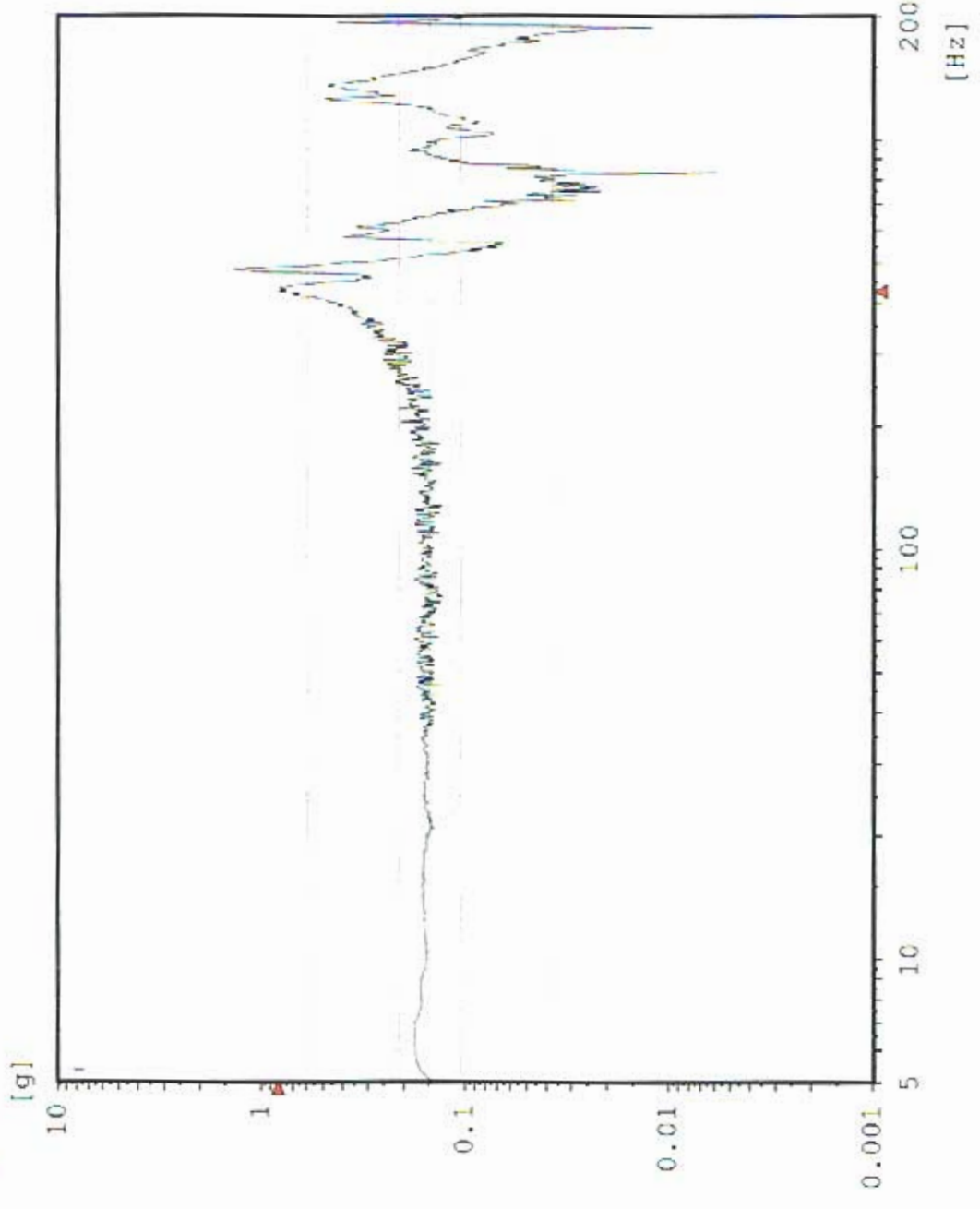
J/N 49995.52036

TEM / TPS



AY2 TPS CG

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 10
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 13:54:05

Y - axis Post Random
 Acceptance Unit
 GLAT 1838

Sine CZ1 Z-Axis Control

Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS

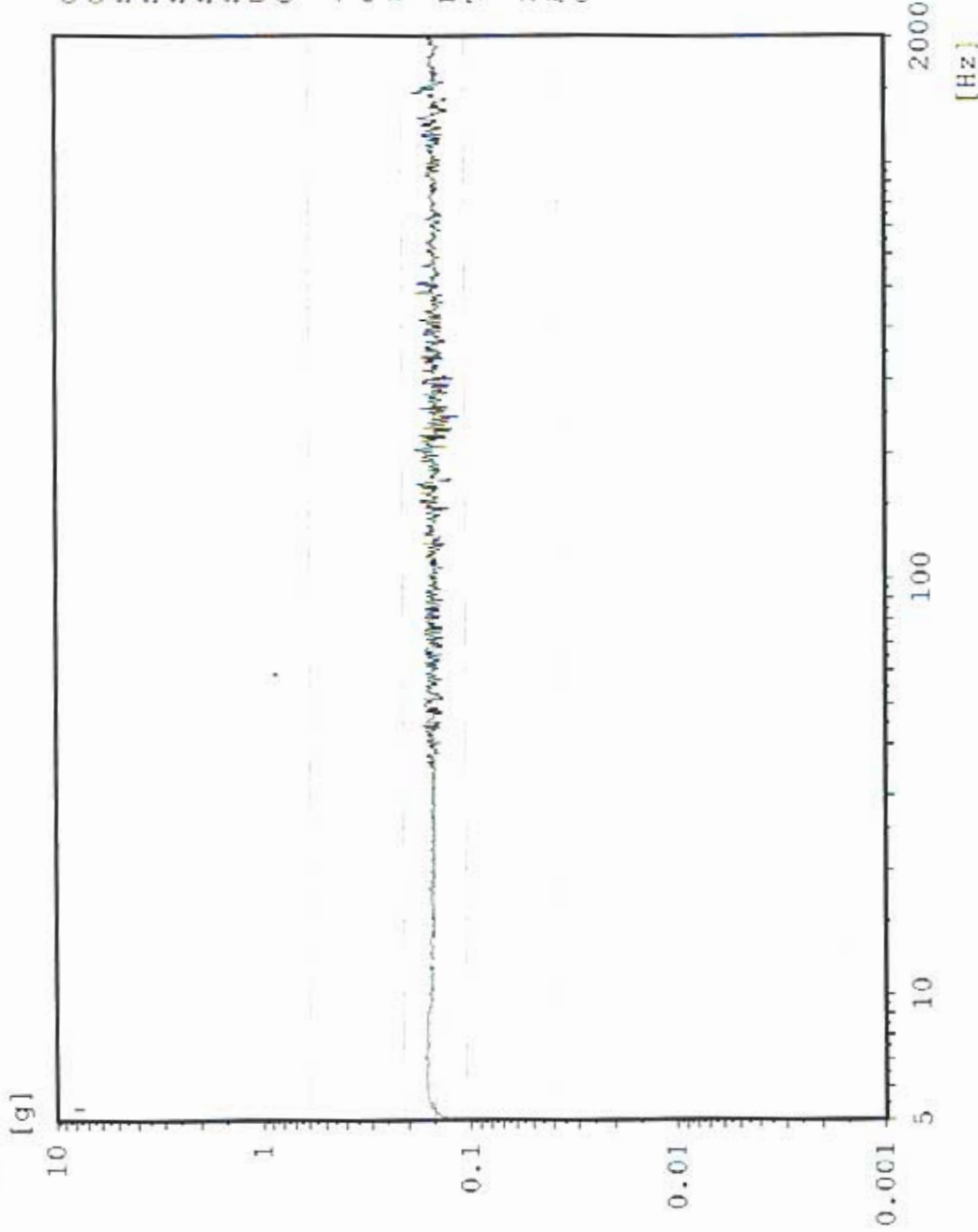


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

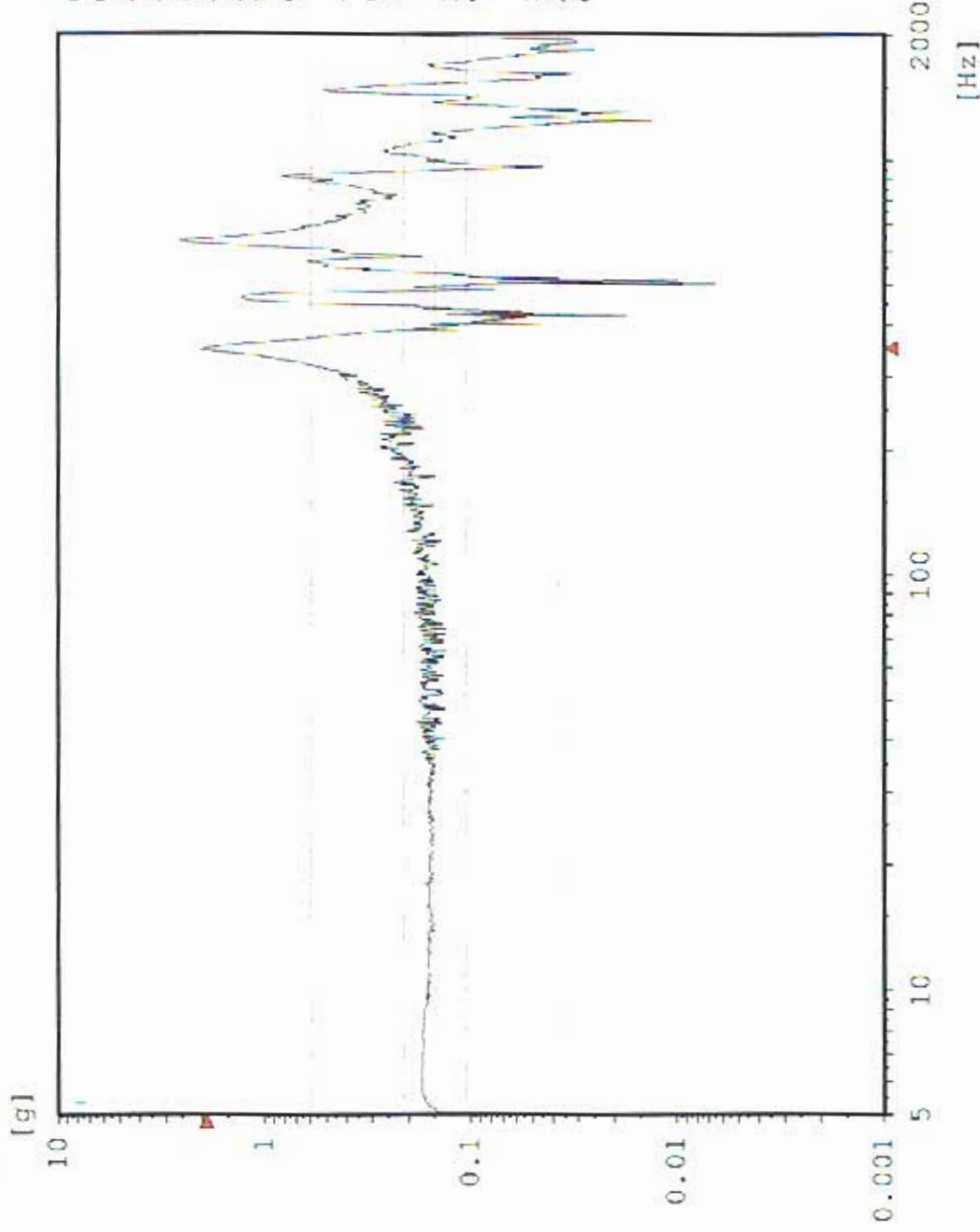
Date: 06-13-05
Time: 15:01:46

Z - axis Pre Random
Acceptance Unit
GLAT 1838



AZ4 TPS Boss 2

Sine
Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS



Chan.no: 2
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

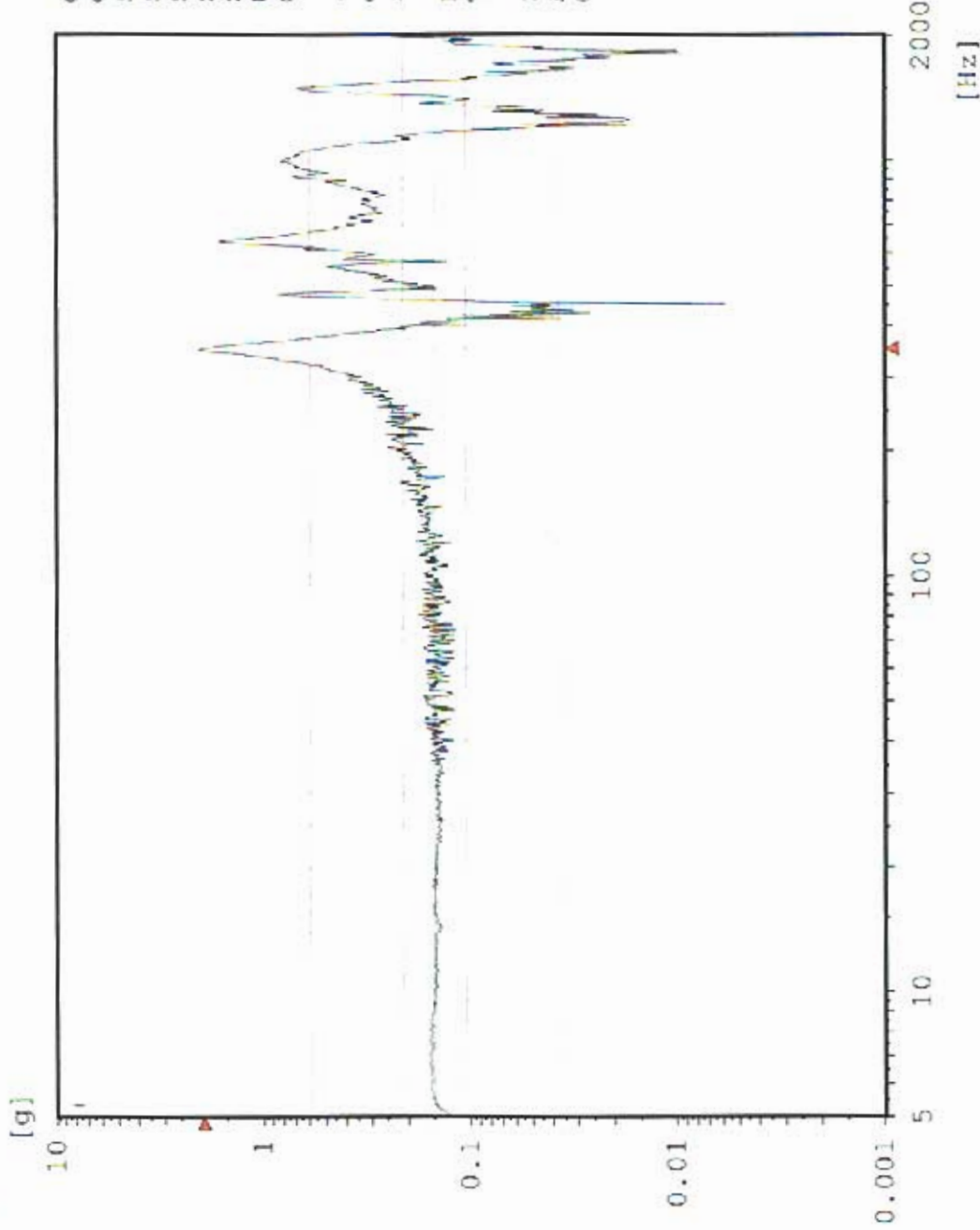
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:01:46

Z - axis Pre Random
 Acceptance Unit
 GLAT 1838

AZ3 TPS Boss 1

Sine
Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS



Chan.no: 3
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

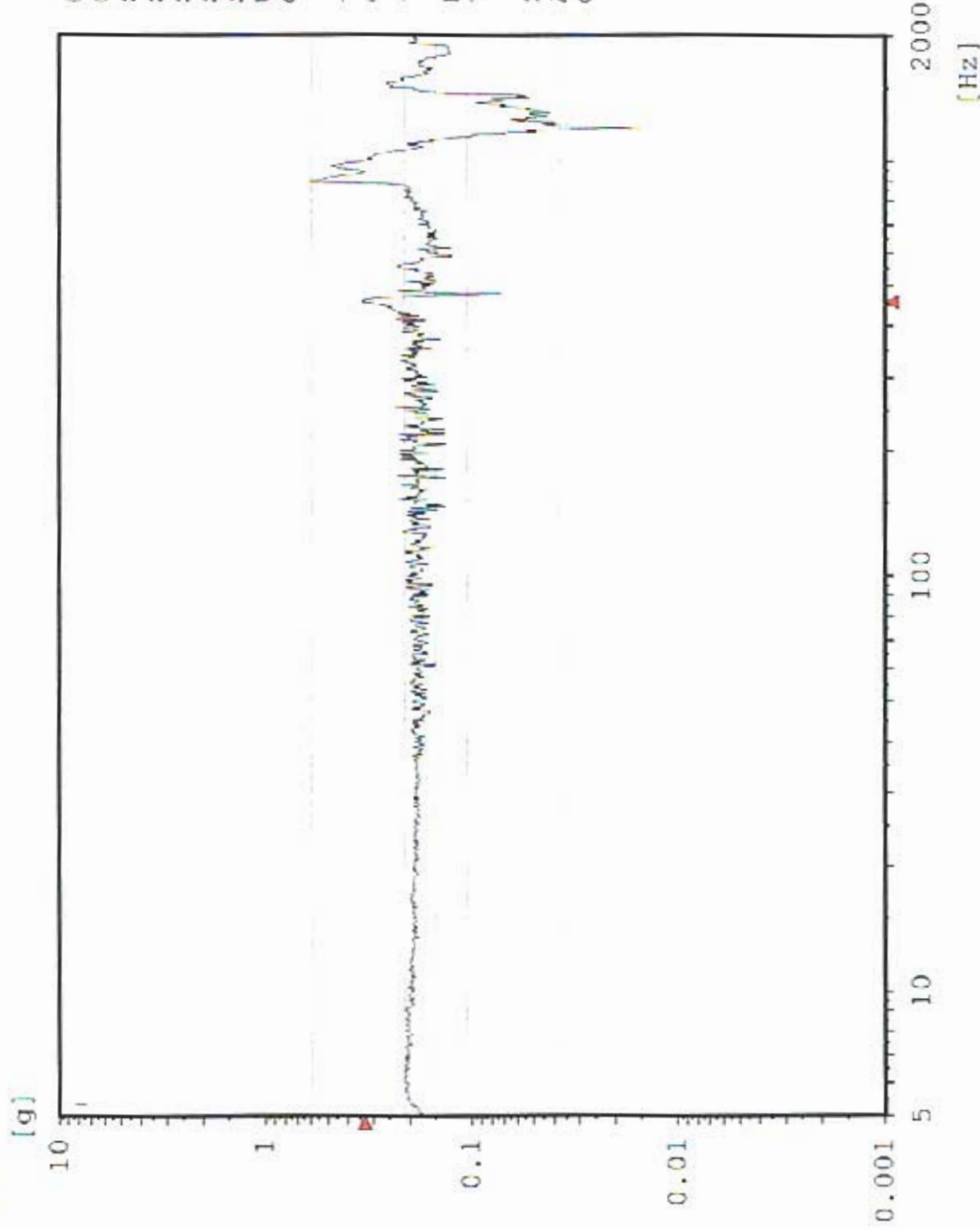
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:01:46

Z - axis Pre Random
 Acceptance Unit
 GLAT: 1838

Sine AZ5 TEM Bottom Edge

Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS



Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:01:46

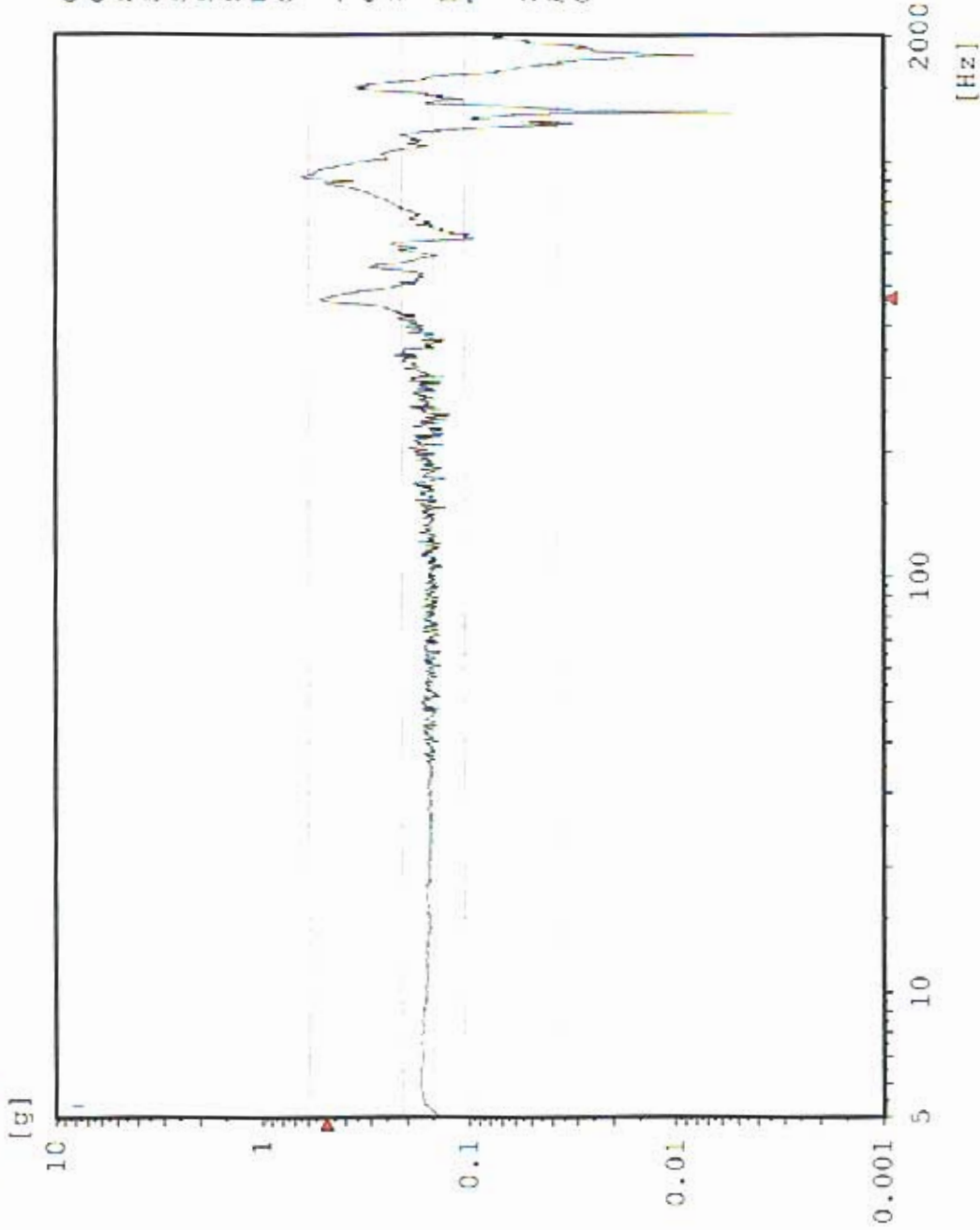
Z - axis Pre Random
 Acceptance Unit
 GLAT 1838

Sine AZ1 TPS Edge Center

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS



Chan.no: 6
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

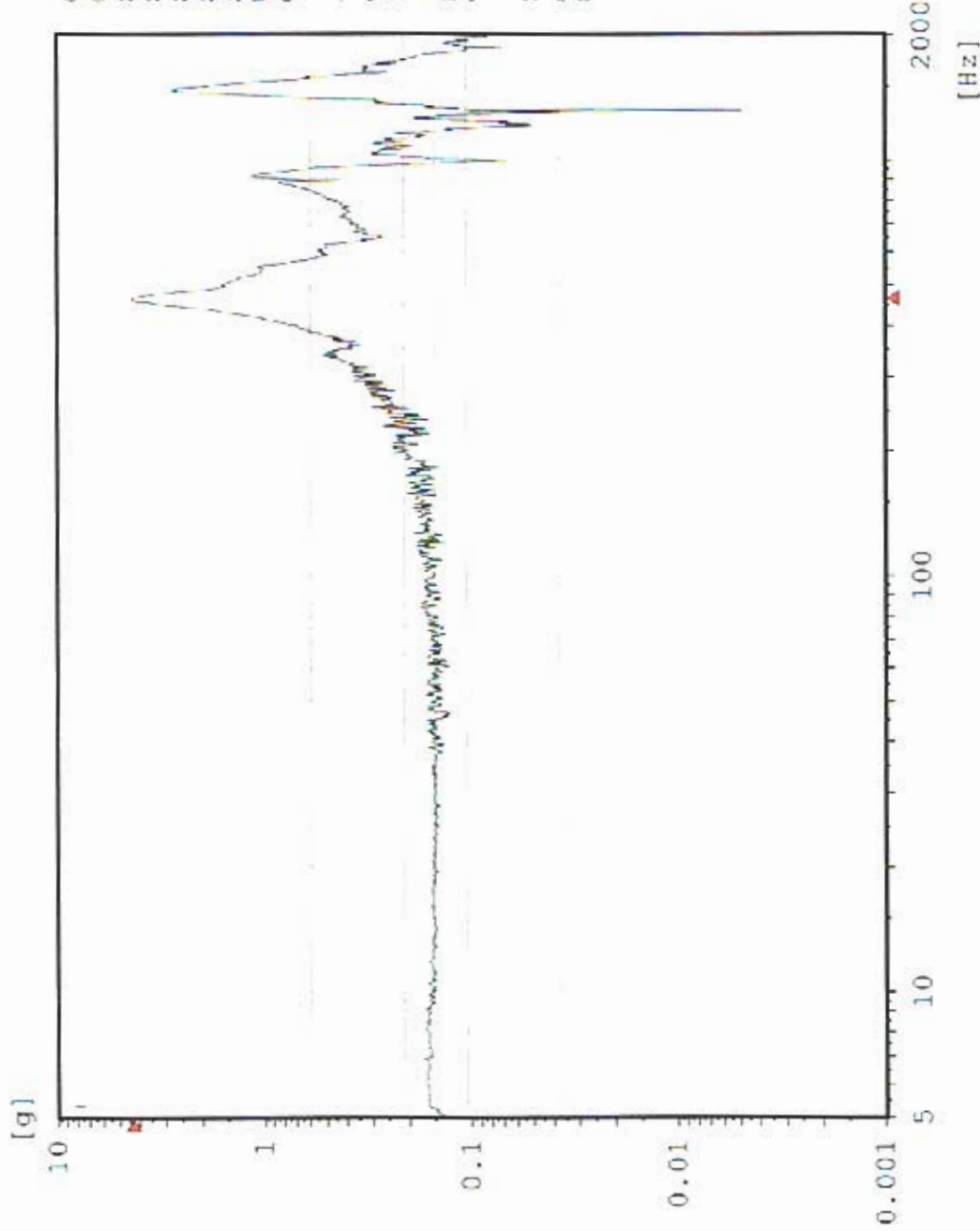
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:01:46

Z - axis Pre Random
 Acceptance Unit
 GLAT 1838

Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS



Chan.no: 8
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:01:46

Z - axis Pre Random
 Acceptance Unit
 GLAT 1838

Sine AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS

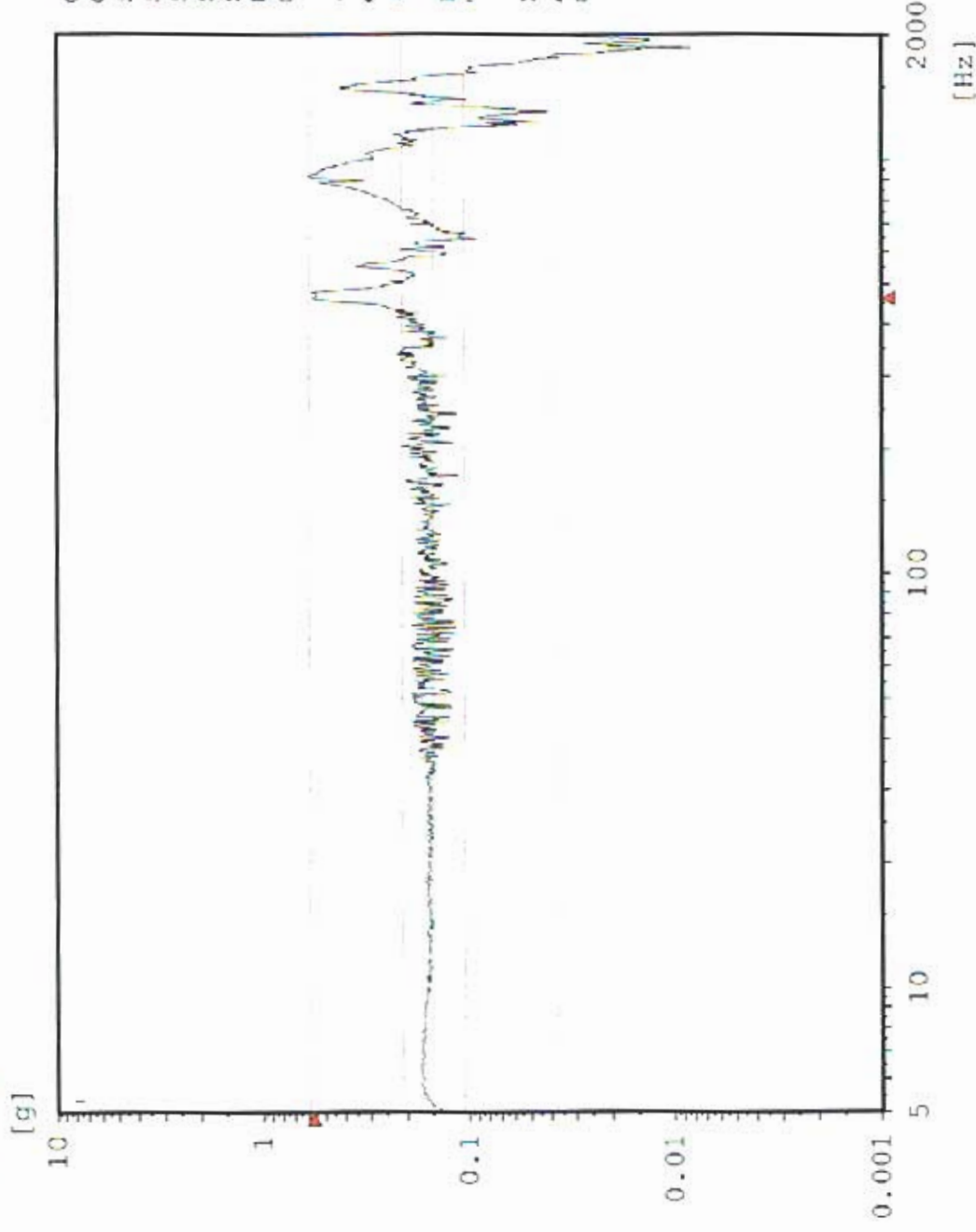


Chan.no: 10 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 06-13-05
Time: 15:01:46

Z - axis Pre Random
Acceptance Unit
GLAT 1838

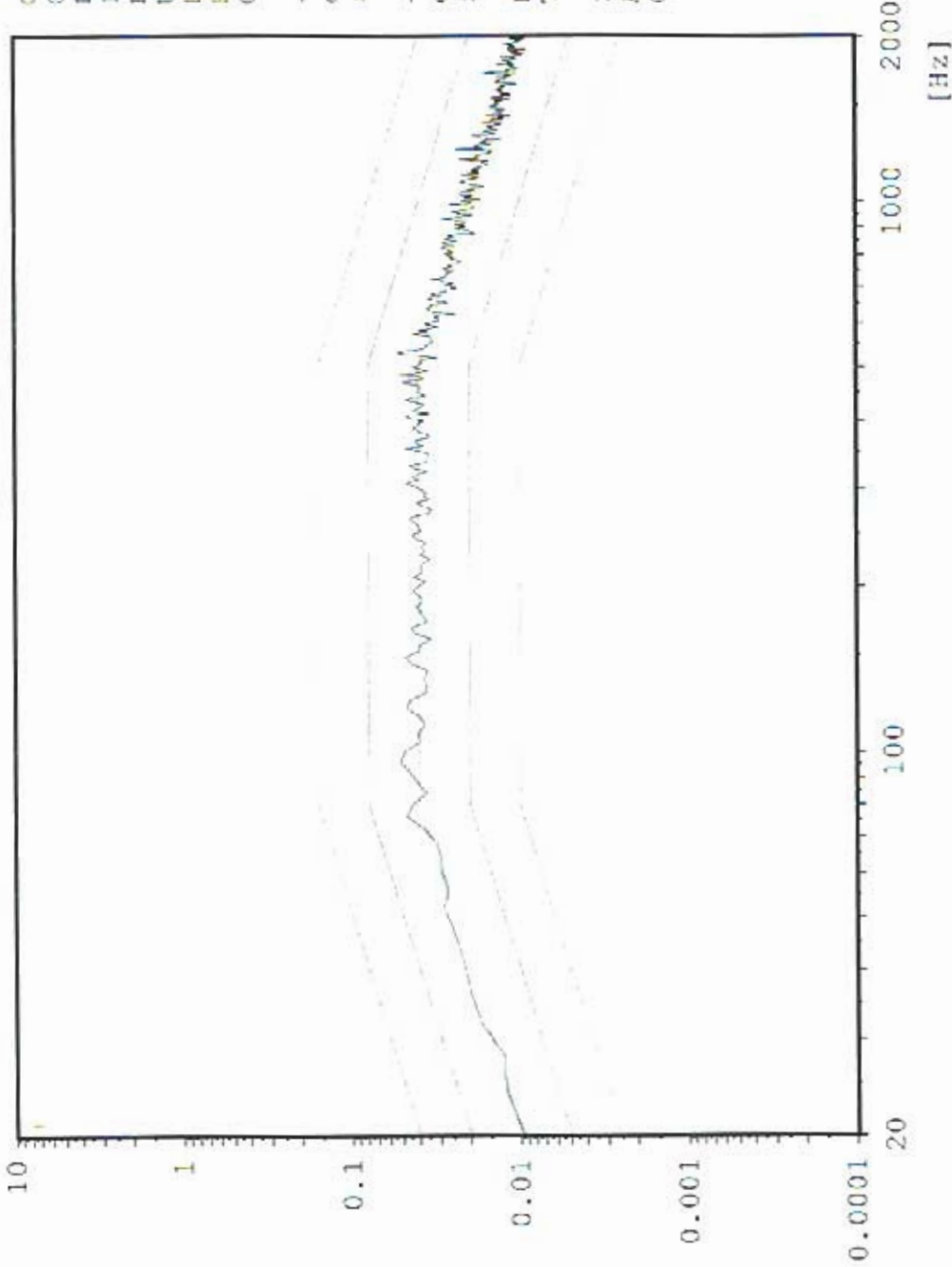


CZ1 Z-Axis Control

Random
Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.839 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

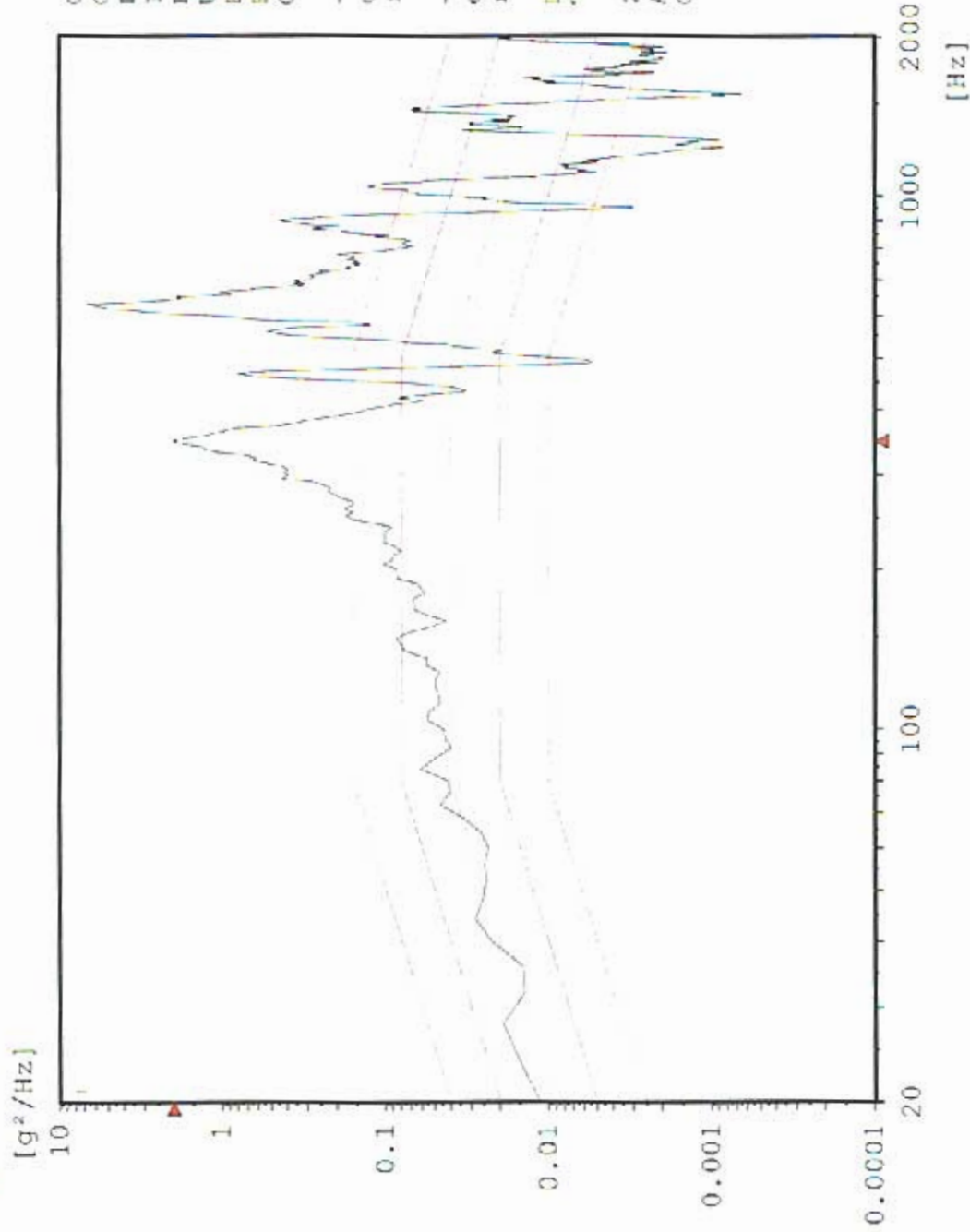
Date: 06-13-05
Time: 15:11:23

Z - Axis
Acceptance Unit
GLAT 1838

Cursor: 348 Hz 2.013 g²/Hz

Random AZ4 TPS Boss 2

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 20.53 g
RMS (req.): 6.787 g
Contr.strat.: closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 06-13-05
Time: 15:11:23

Z - Axis
Acceptance Unit
GLAT 1838

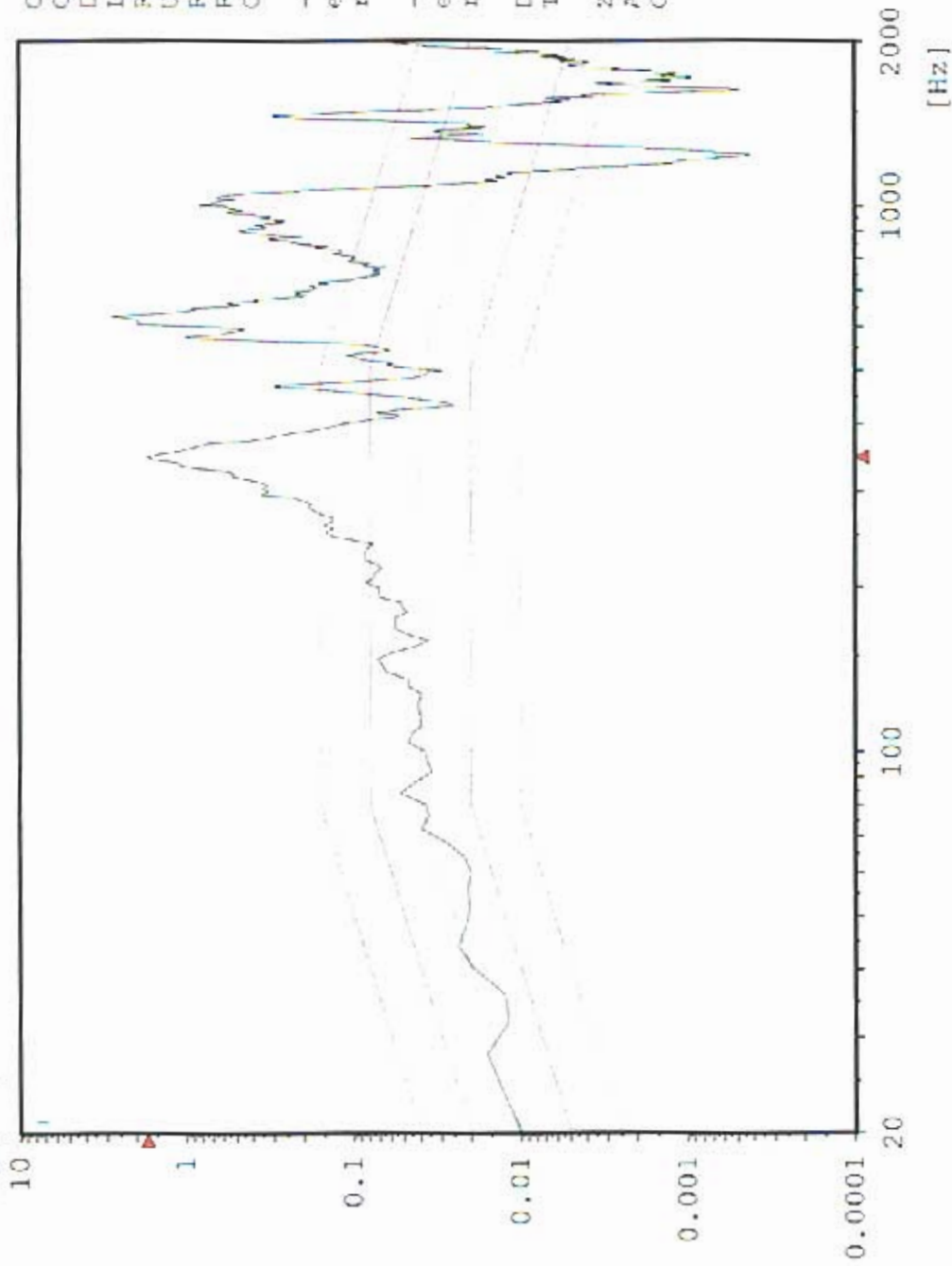
Cursor: 348 Hz 1.724 g²/Hz

Random AZ3 TPS Boss 1

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 3
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 18.94 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

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

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:--

Date: 06-13-05
 Time: 15:11:23

Z - Axis
 Acceptance Unit
 GLAT 1538

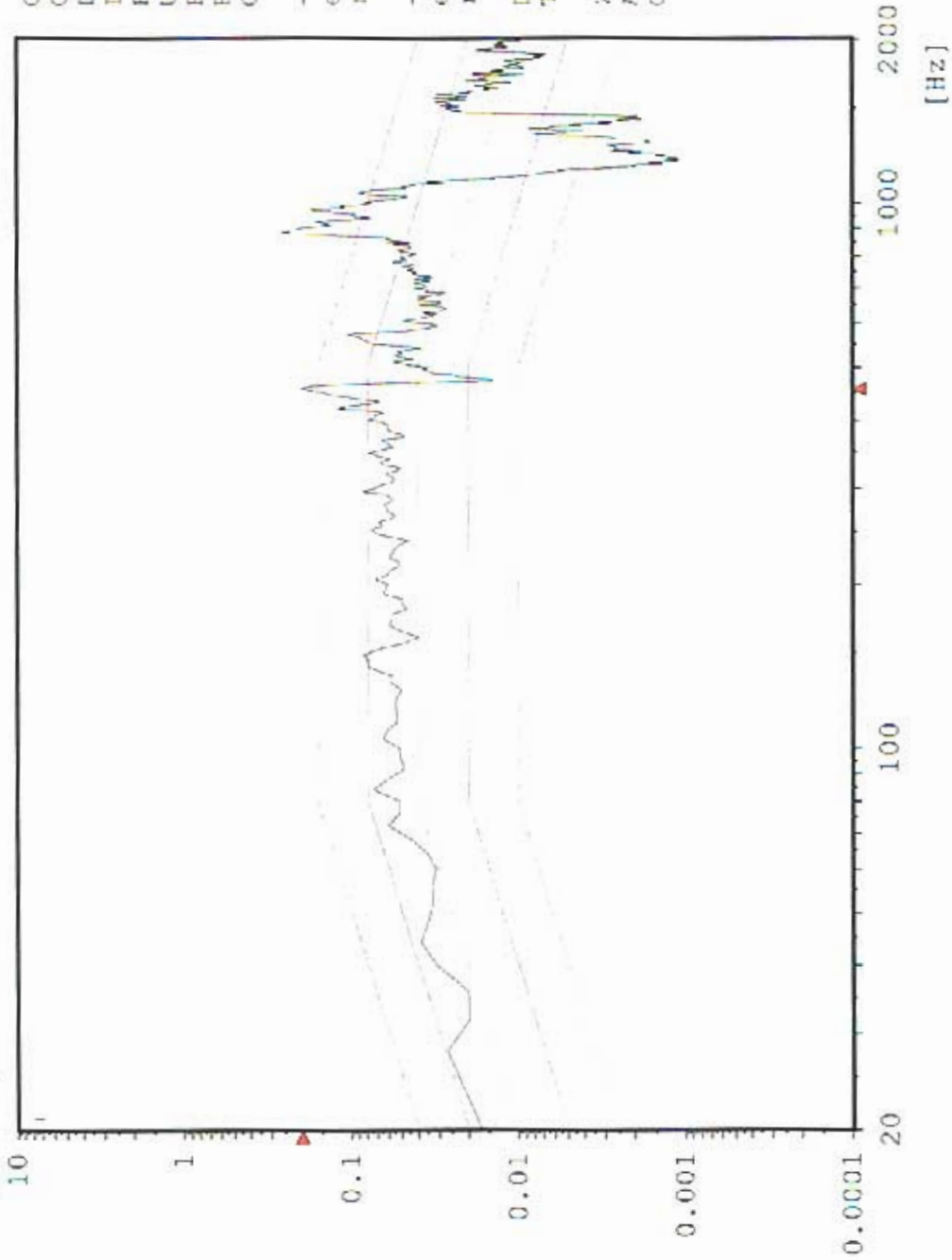
Cursor: 456 Hz 0.1997 g²/Hz

Random AZ5 TEM Bottom Edge

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 9.007 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 030:06:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 06-13-05
Time: 15:11:23

Z - Axis
Acceptance Unit
GLAT 1838

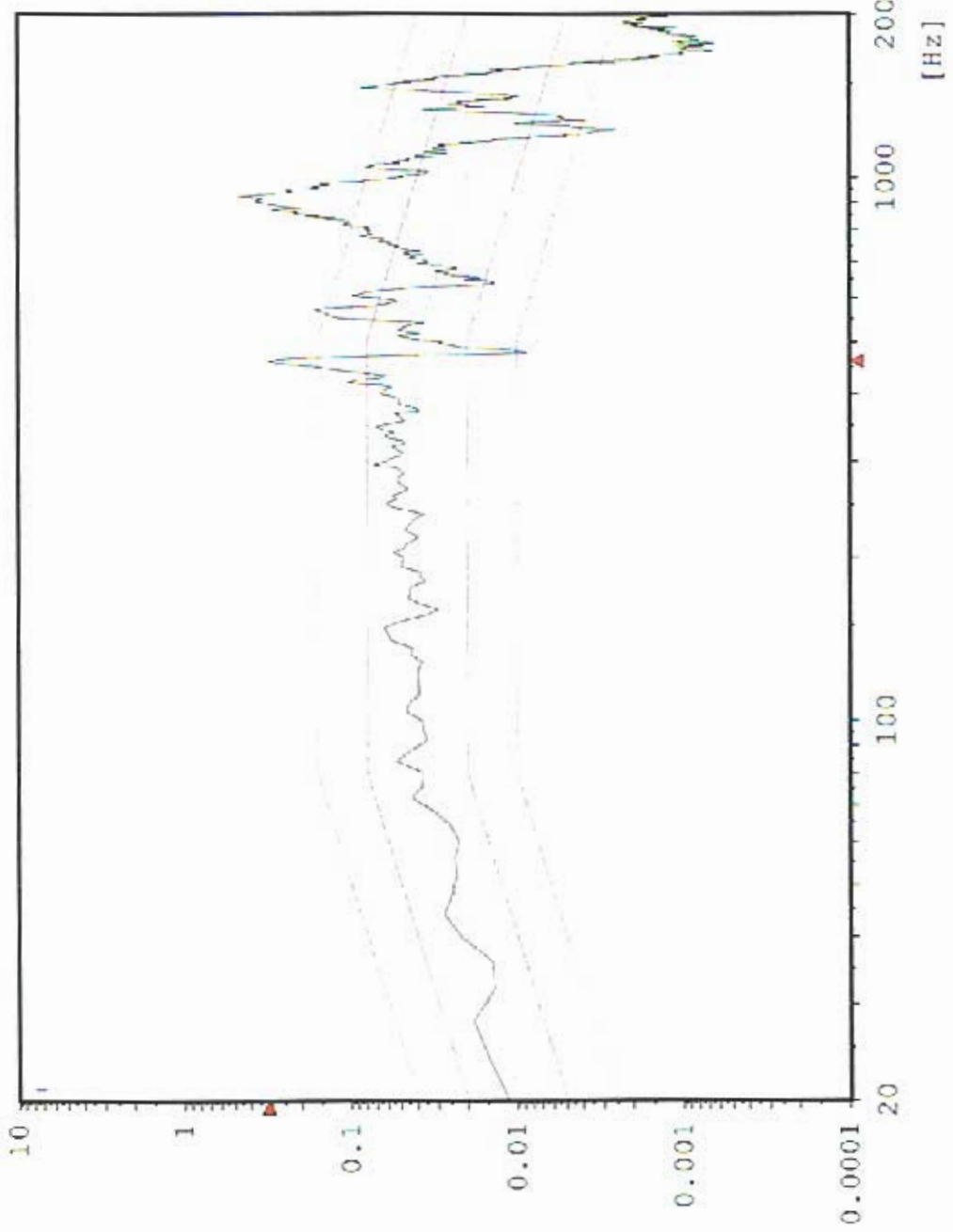
Cursor: 460 Hz 0.3156 g²/Hz

Random AZ1 TPS Edge Center

Stanford Linear Accelerator
J/N 49995.52036
TEM 6 TPS



[g²/Hz]



Chan.no: 6
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 10.68 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:01
 remaining: 000:00:-1

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:-1

Date: 06-13-05
 Time: 15:11:23

Z - Axis
 Acceptance Unit
 GLAT 1838

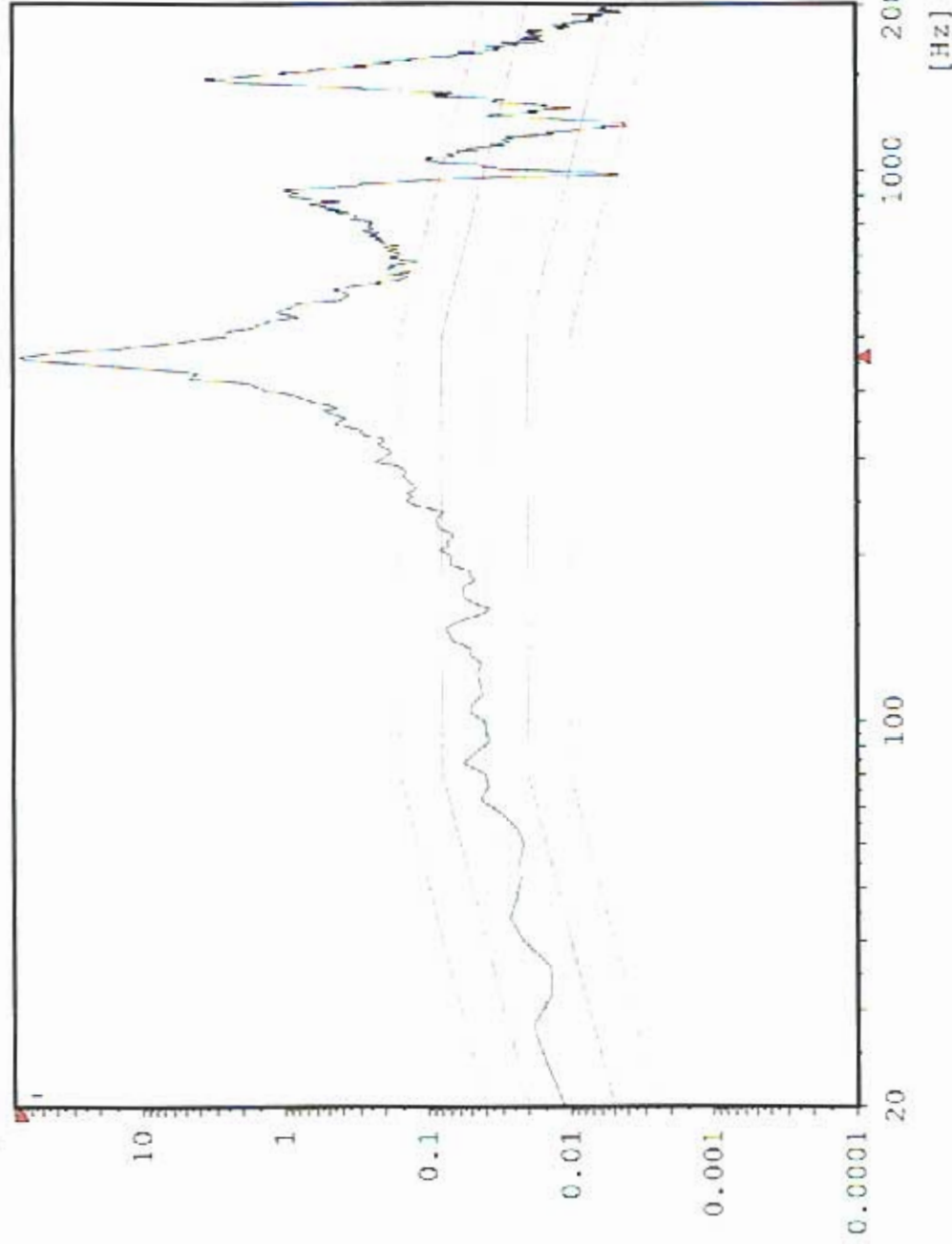
Max: 460 Hz 72.04 g²/Hz

Random AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 8
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 48.18 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:01
remaining: 000:00:-1

-- Time total --
elapsed: 000:02:55
remaining: 000:00:-1

Date: 06-13-05
Time: 15:11:23

Z - Axis
Acceptance Unit
GLAT 1838

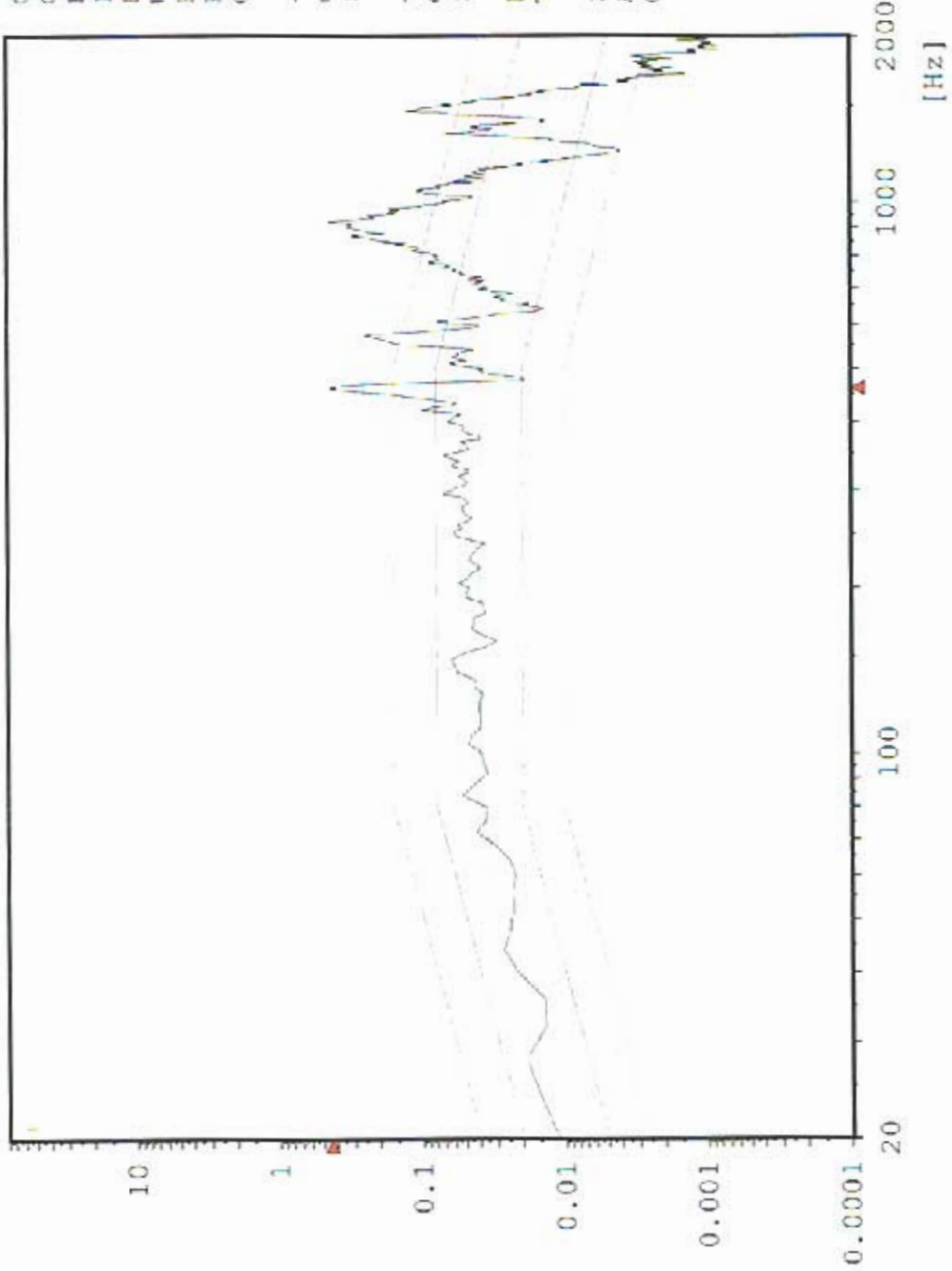
Cursor: 460 Hz 0.4452 g²/Hz

Random AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49955.52036
TEM & TPS



[g²/Hz]



Chan.no: 10
 Chan.type: M
 DOF: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 10.62 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:01
 remaining: 000:00:-1

-- Time total --
 elapsed: 000:02:55
 remaining: 000:00:-1

Date: 06-13-05
 Time: 15:11:23

Z - Axis
 Acceptance Unit
 GLAT 1838

CZ1 Z-Axis Control

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

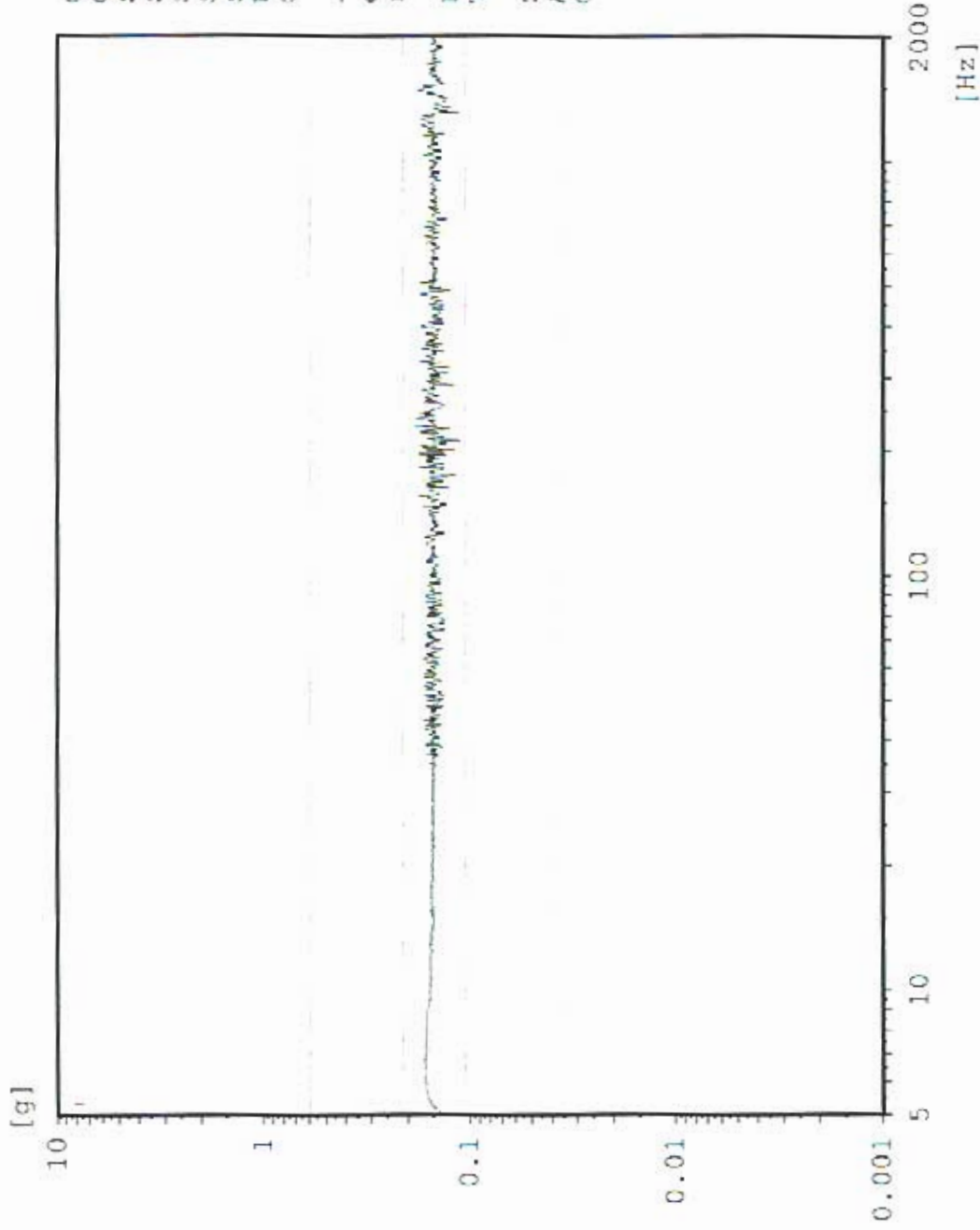


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/mir.
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

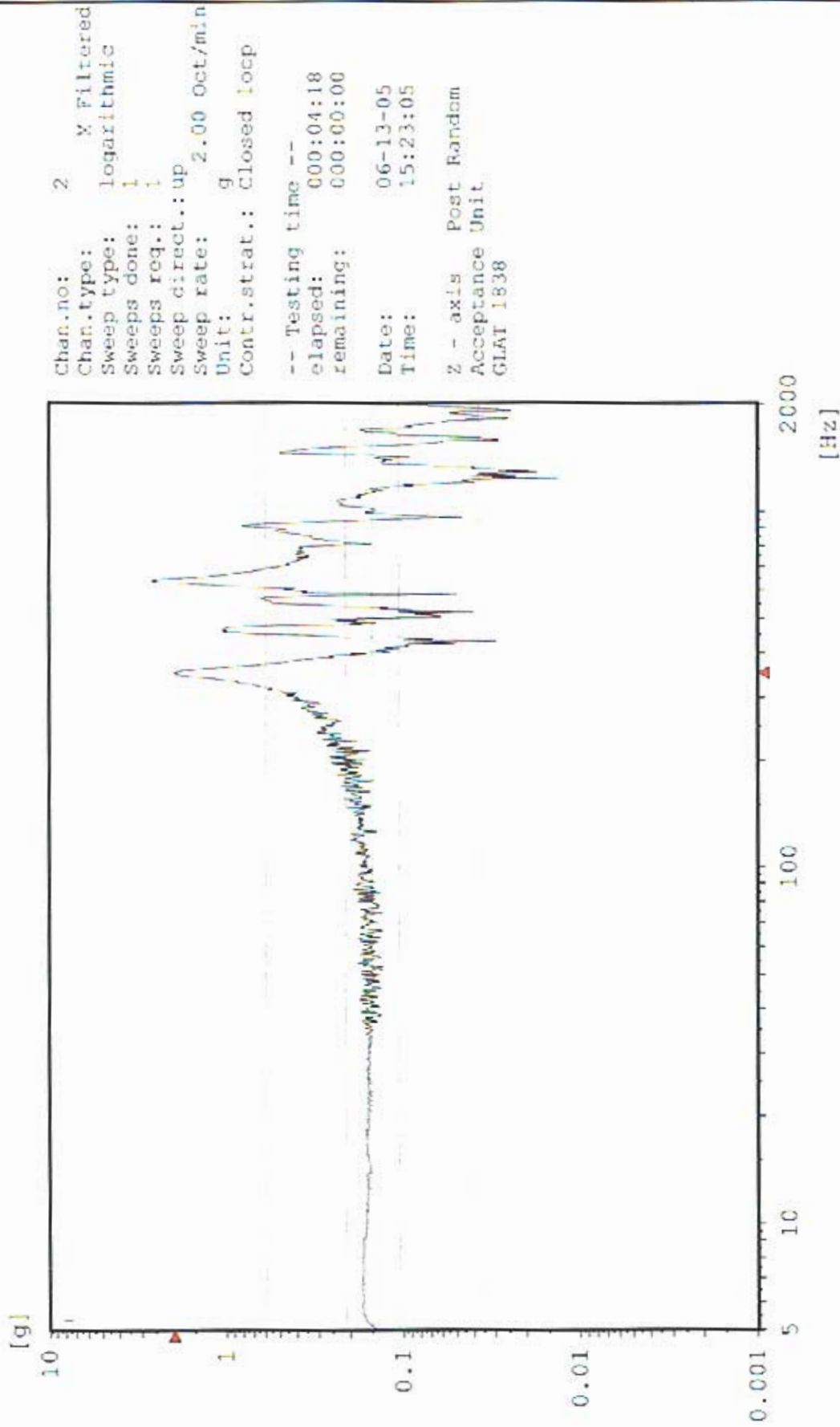
Date: 06-13-05
Time: 15:23:05

Z - axis Post Random
Acceptance Unit
GLAT 1838



AZ4 TPS Boss 2

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 2
 Chan.type: X Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:23:05

Z - axis Post Random
 Acceptance Unit
 GLAT 1838

Max: 351.2 Hz 2.001 g

AZ3 TPS Boss 1

Sine
Stanford Linear Accelerator
J/N 49995.52036
TSM / TPS

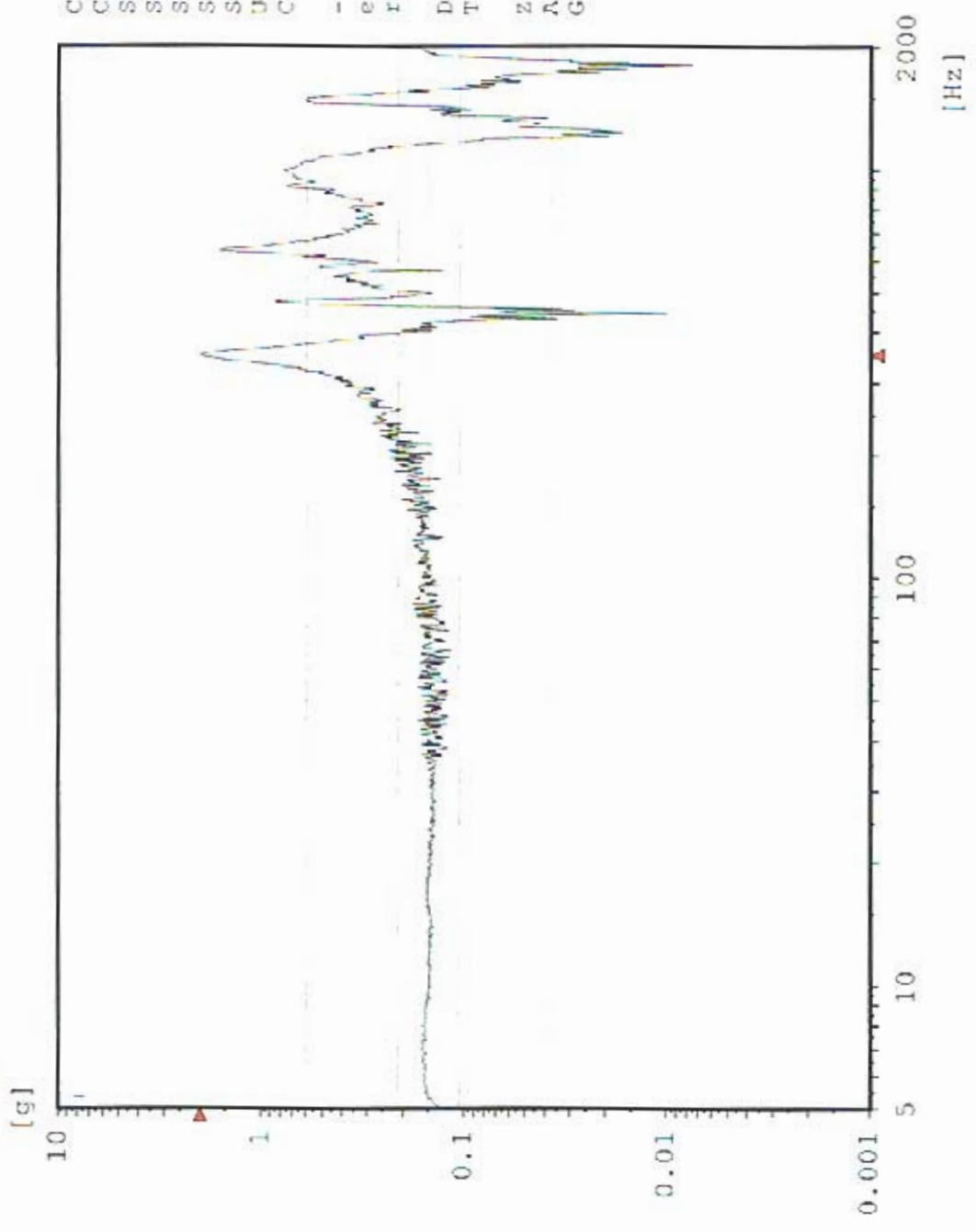


Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 06-13-05
Time: 15:23:05

Z - axis Post Random
Acceptance Unit
GLAT 1838



AZ5 TEM Bottom Edge

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

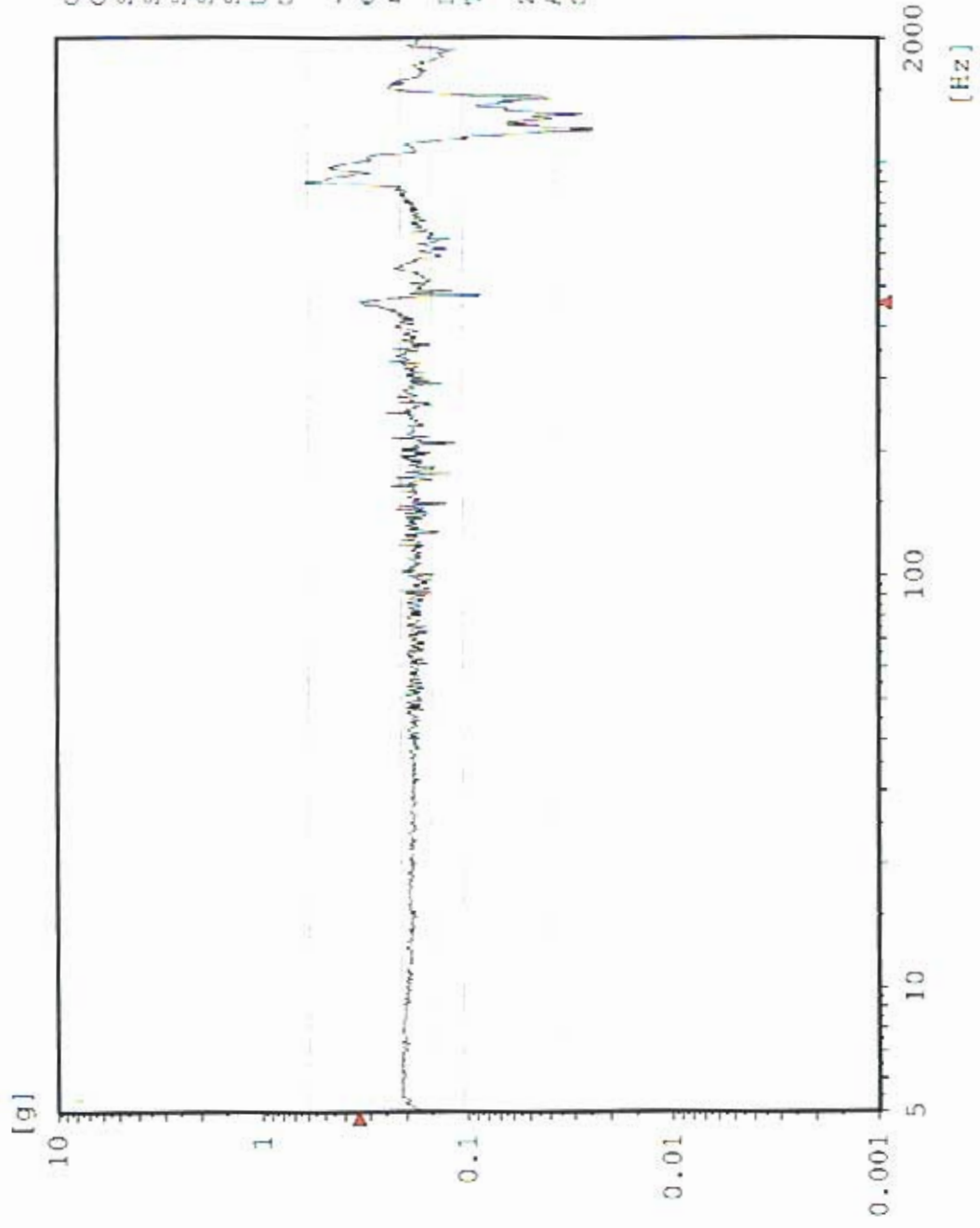


Chan.no: 5
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

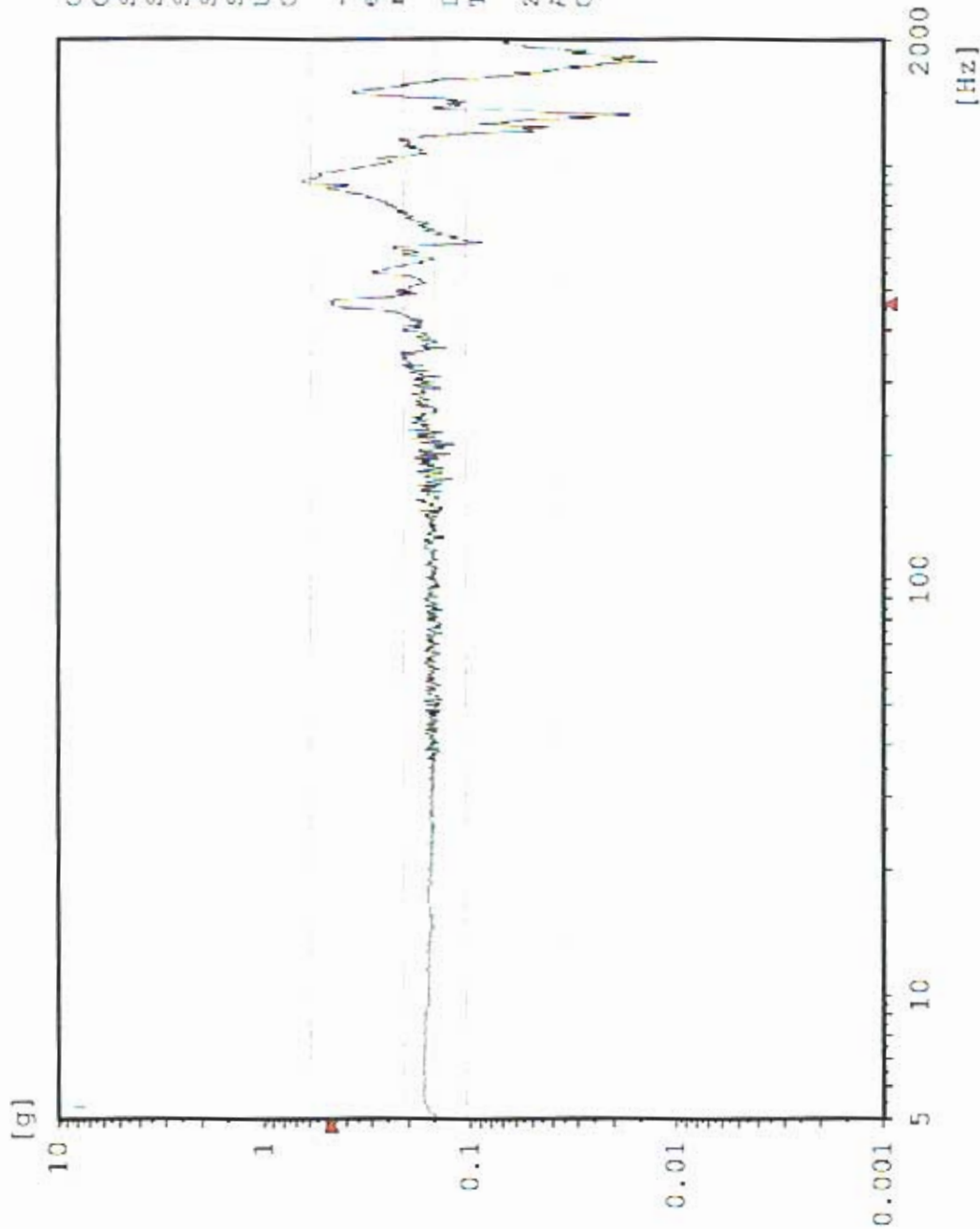
Date: 06-13-05
Time: 15:23:05

Z - axis Post Random
Acceptance Unit
GLAT 1838



Sine AZ1 TPS Edge Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 6
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

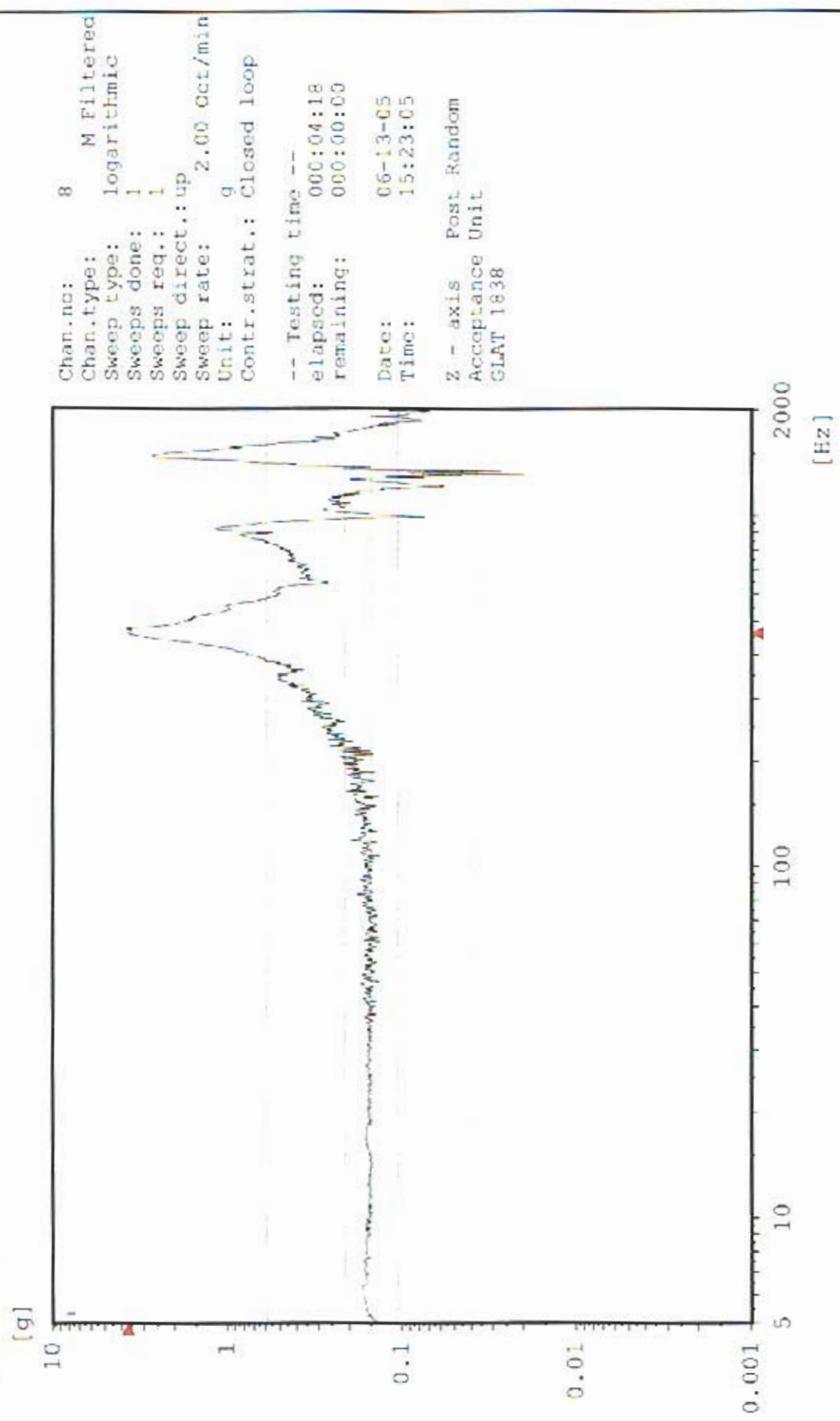
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 15:23:05

Z - axis Post Random
 Acceptance Unit
 GLAT 1838

Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 8 M Filtered
 Chan.type: logarithmic
 Sweep type: 1
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: 9
 Contr.strat.: Closed loop

-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00
 Date: 06-13-05
 Time: 15:23:05
 Z - axis Post Random
 Acceptance Unit
 GLAT 1838

AZ2 TPS Corner

Sine
Stanford Linear Accelerator
J/N 4995.52036
TEK / TPS

