

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	3.035	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	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_011.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	<i>DS</i>	Calibrated Equipment List
2	<i>DS</i>	Vibration Test plots (Pre- and Post test signature overlays and random vibration test data for Z, X, and Y axes)
3	<i>DS</i>	Electronic Data in UFF or equivalent format, if available
4	<i>DS</i>	Photographs of test setup
5	<i>DS</i>	Procedure data sheets (Appendices A, B, and C)
6	<i>DS</i>	Visual Inspection Report
7	<i>DS</i>	Test Control System Software Setup Sheets



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

SHIPPING MEMORANDUM

NUMBER

122230

DATE
6/24/05

VIA
U.S. MAIL

ATTN: DAVID TARKINGTON

SHIP FROM
~~4401X BILCOCKX RWX06X~~
~~1060760X RWX CA 95054~~
~~1659X 899-5500 X~~
5452 BETSY ROSS DRIVE
SANTA CLARA, CA 95054
408/764-5500

CUSTOMER ORDER NO. SLAC0000056030 JOB NUMBER 49995.52036 PARTIAL COMPLETE OUR PO. NO.

ITEM NO	QUANTITY	DESCRIPTION
1	1 SET	ORIGINAL TEST DATA ON AS FOLLOWS: 3 EACH TEM & TPS (SEE INITIAL VISUAL) POST RANDOM AND SINE VIBRATION TESTING PER CUSTOMER INSTRUCTION

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:

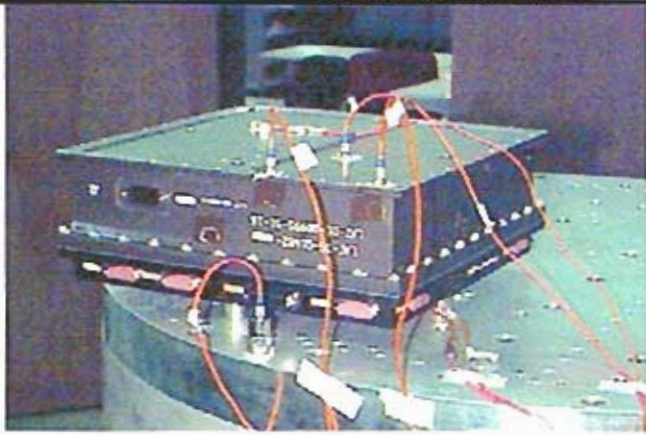
RECEIVED BY
Mail

DATE
6/24/05

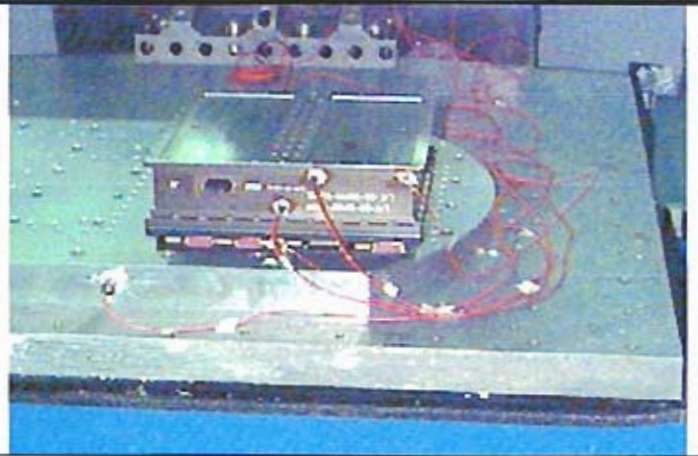
NAME
T. KLAWITTER

TEST DATA

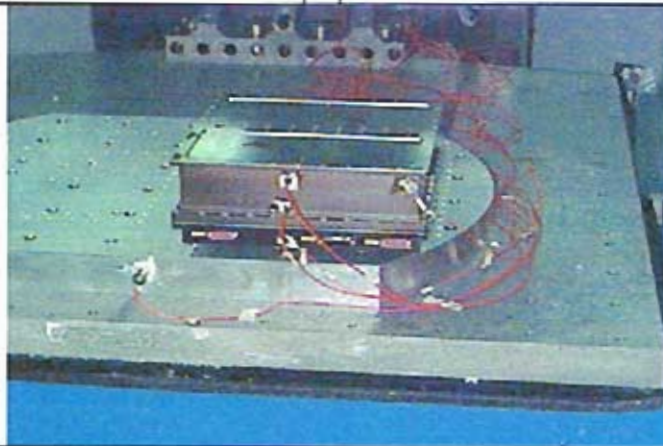
DATE STARTED 06-13-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) WSC 7-21 <i>D. Wiltshire</i>
DATE COMPLETED 06-13-05	SPECIMEN DESCRIPTION TEM & TPS { See Initial Visual }	ENGINEER (SIGNATURE) WSC 0-02 <i>S. McChesney</i>
TEMPERATURE 73°F	TYPE OF TEST SET-UP - Detail	ENGINEER <i>S. McChesney</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>[Signature]</i> RSC T-21	
DATE COMPLETED 06-13-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>[Signature]</i> WSC Q-02	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>[Signature]</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

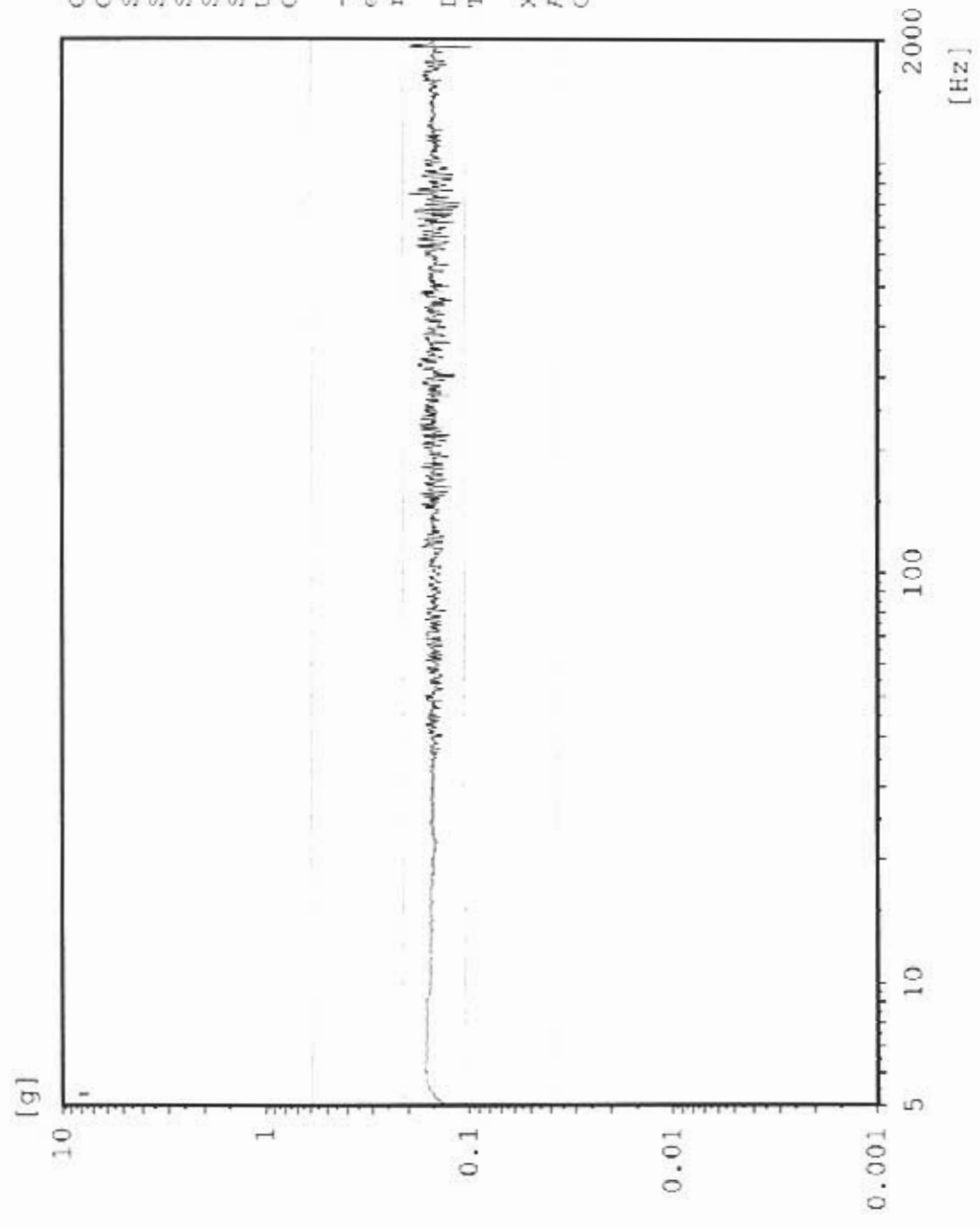


TEST DATA

DATE STARTED 06-13-05		CUSTOMER Stanford Linear Accelerator			TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> WSC T-21	
DATE COMPLETED 06-13-05		SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }			ENGINEER (SIGNATURE) <i>Gene Alexey</i> WSC Q-02	
TEMPERATURE 73°F		TYPE OF TEST VIBRATION - Sine and Random - Non-Op.			ENGINEER <i>Gene 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



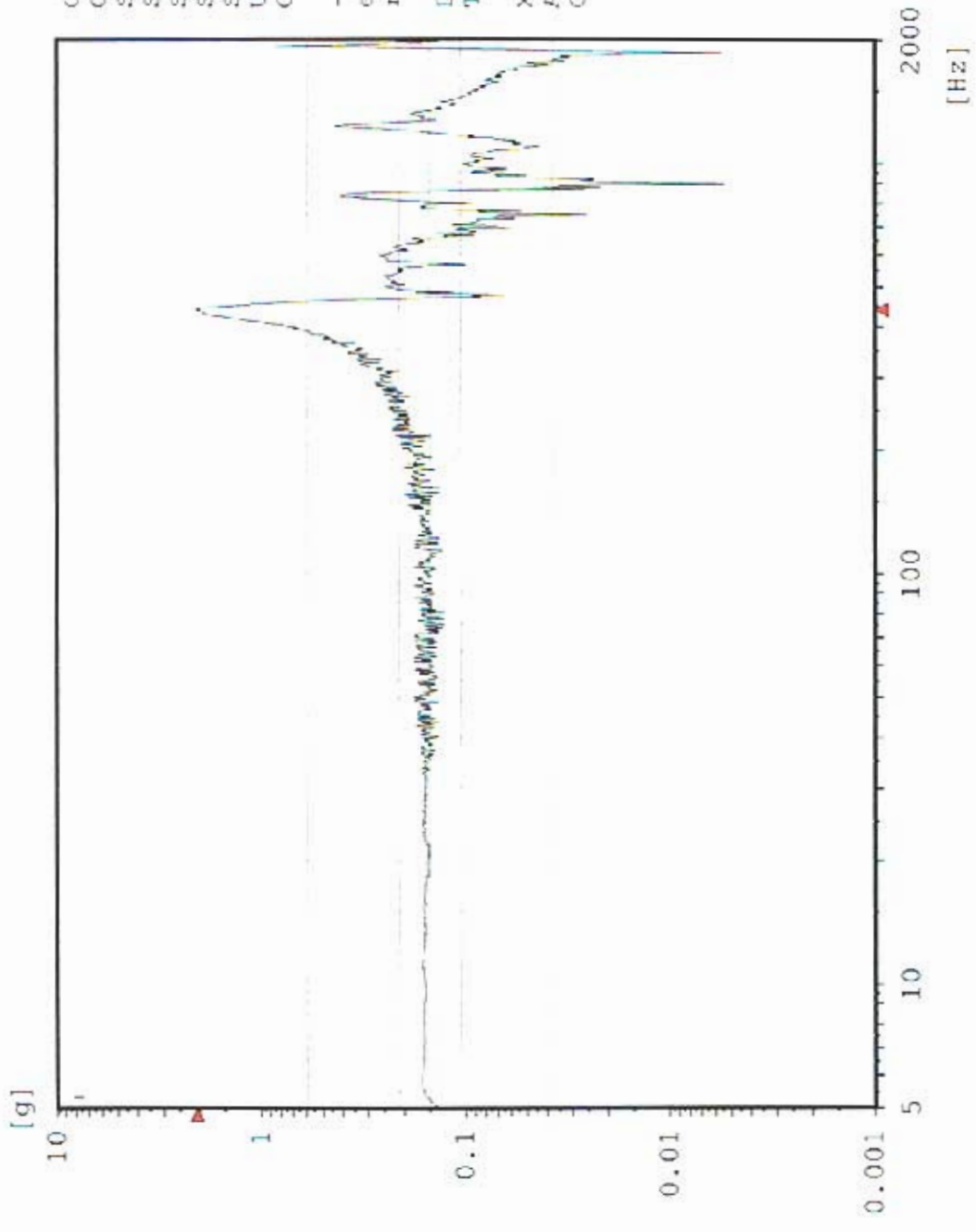
Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct./min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00
Date: 06-13-05
Time: 11:54:02

X - axis Pre Random
Acceptance Unit
GLAT 1837

AX3 TPS top center

Sine
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

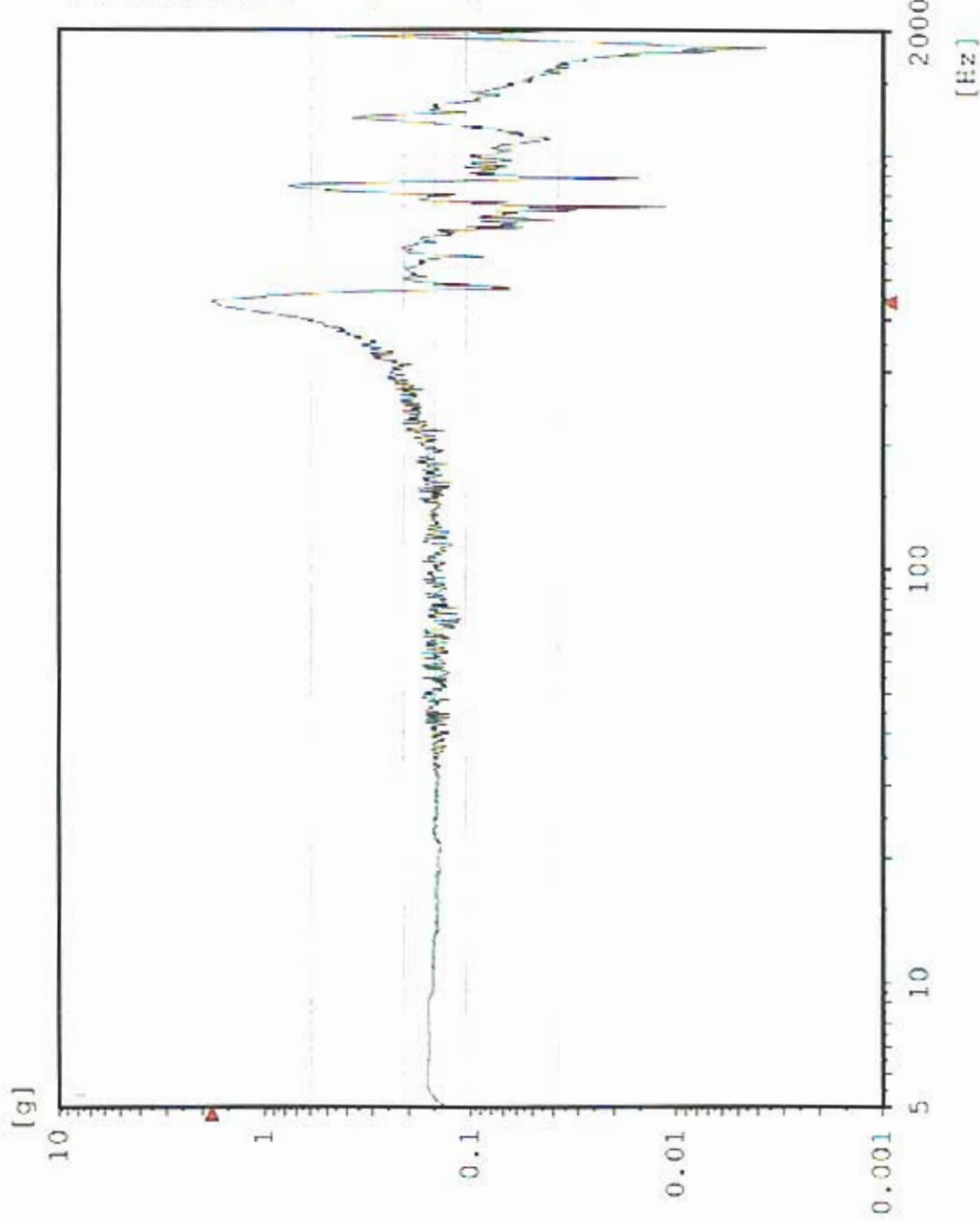
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 11:54:02

X - axis Pre Random
 Acceptance Unit
 GLAT 1837

AX4 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.: Closed loop

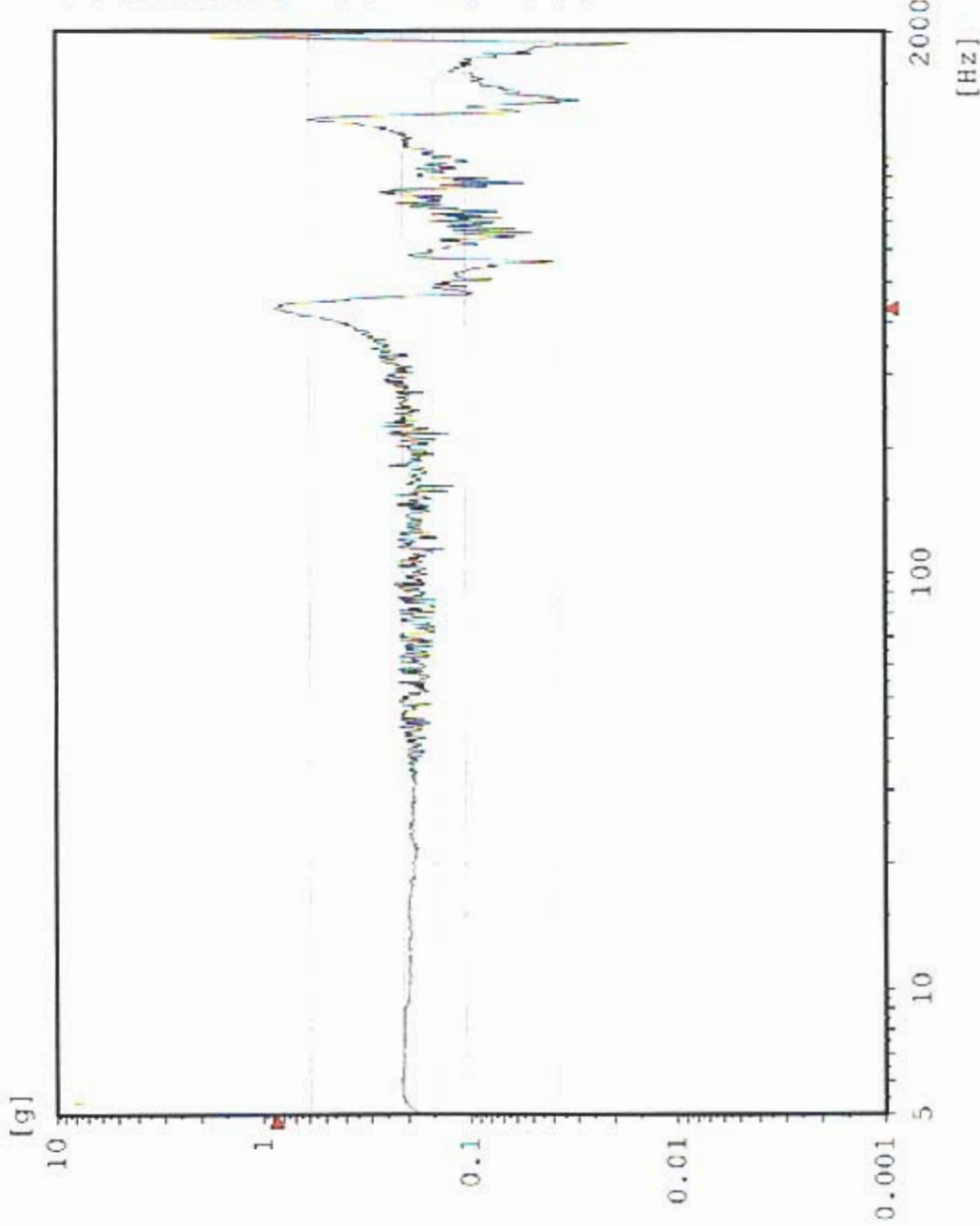
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 11:54:02

X - axis Pre Random
 Acceptance Unit
 GLAT 1837

Sine AX1 TEM center edge

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 5
 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

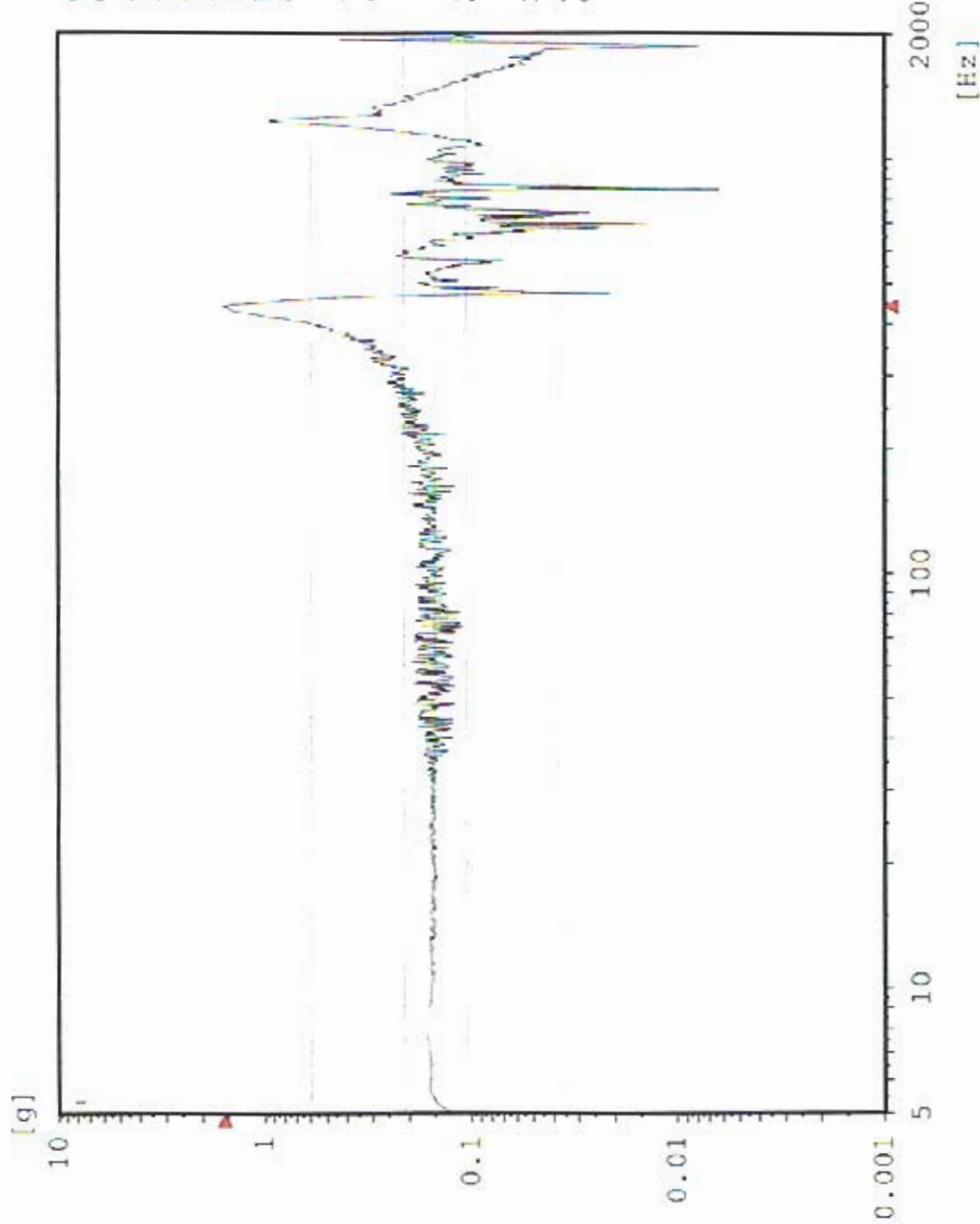
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 11:54:02

X - axis: Pre Randor
 Acceptance Unit
 GLAT 1837

Sine AX2 TPS CG

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: 000:04:13
 remaining: 000:00:00

Date: 06-13-05
 Time: 11:54:02

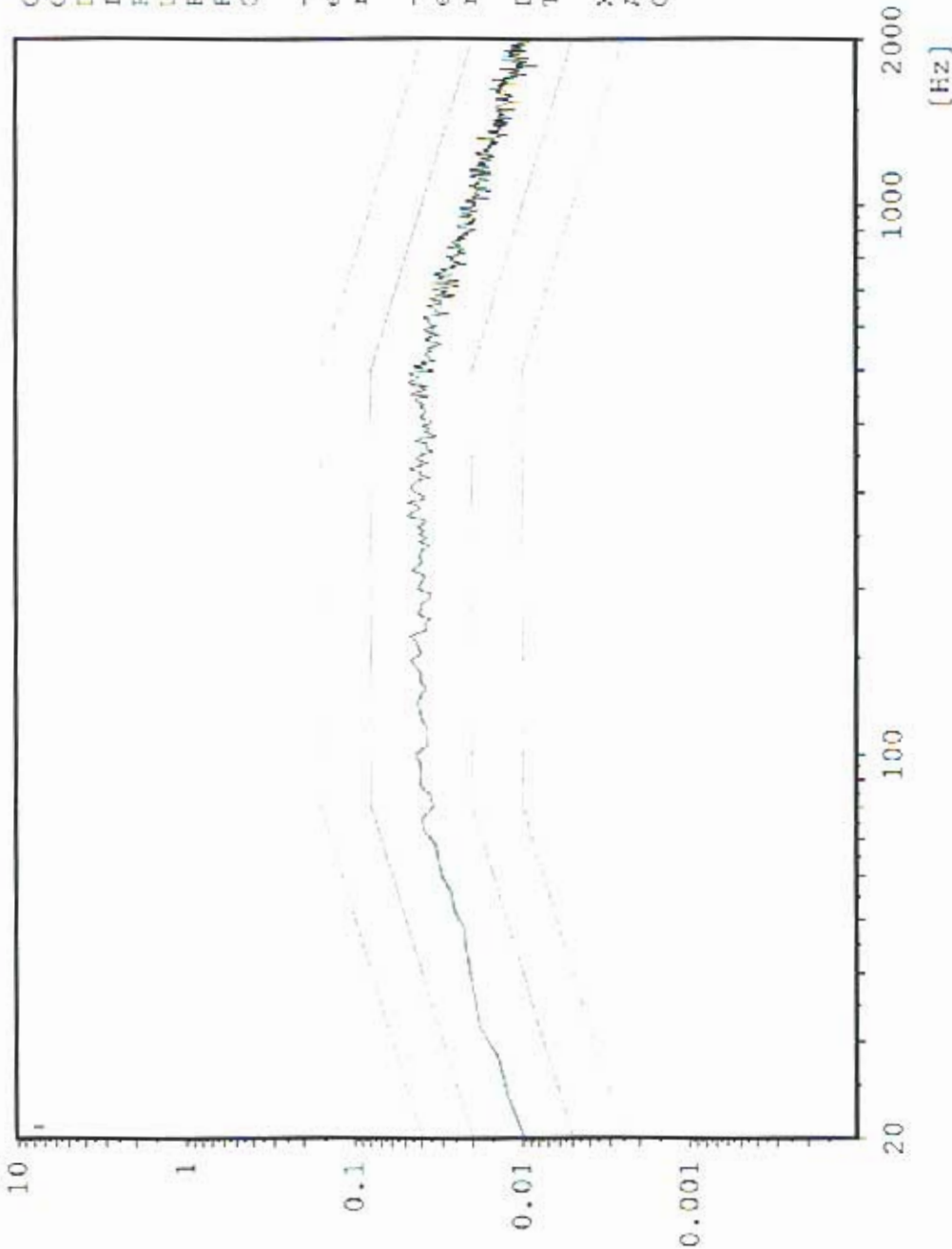
X - axis Pre Random
 Acceptance Unit
 GLAT 1837

CX1 X-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.): 6.831 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

-- Time on act. level --
elapsed: 000:01:00
remaining: 060:00:00

-- Time total --
elapsed: 000:02:45
remaining: 000:00:00

Date: 06-13-05
Time: 12:00:39

X - Axis
Acceptance Unit
GLAT 1837

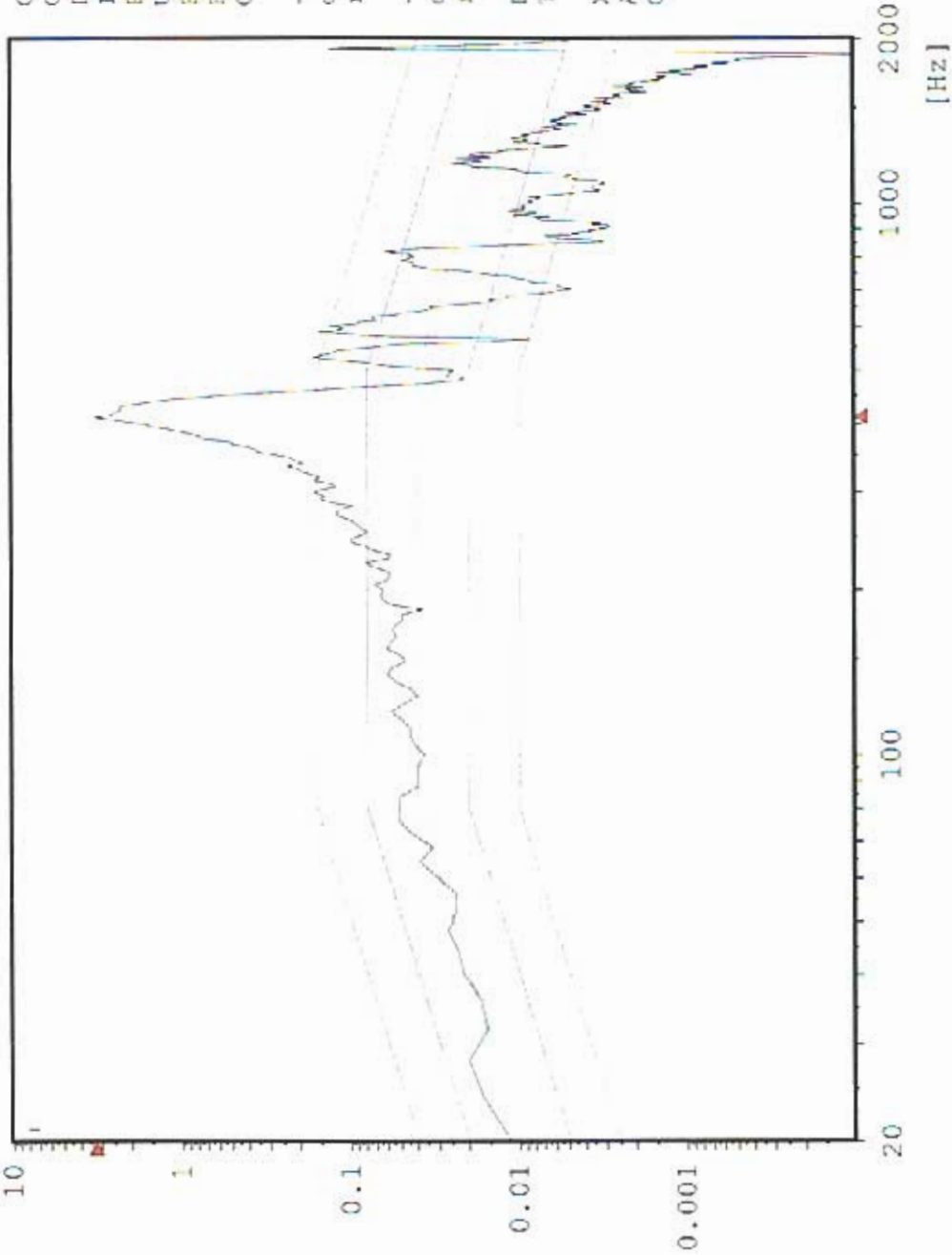
Max: 412 Hz 3.271 g²/Hz

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: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 14.13 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: 000:02:45
remaining: 000:00:00

Date: 06-13-05
Time: 12:00:39

X - Axis
Acceptance Unit
GLAT 1837

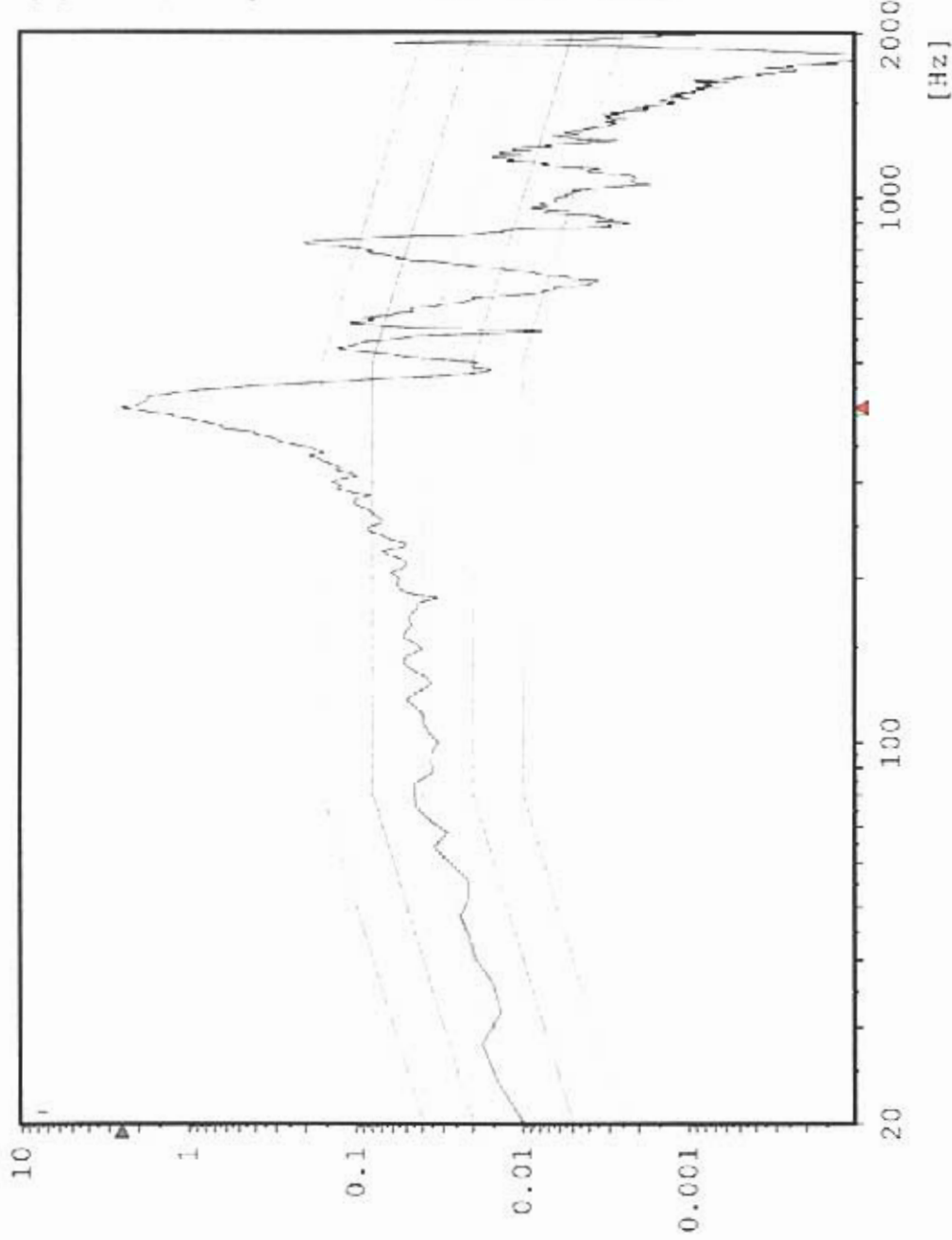
Max: 412 Hz 2.562 g²/Hz

Random AX3 TPS Top Edge

Stanford Linear Accelerator
G/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.): 12.72 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: 000:02:45
remaining: 000:00:00

Date: 06-13-05
Time: 12:00:39

X - Axis
Acceptance Unit:
GLAT 1837

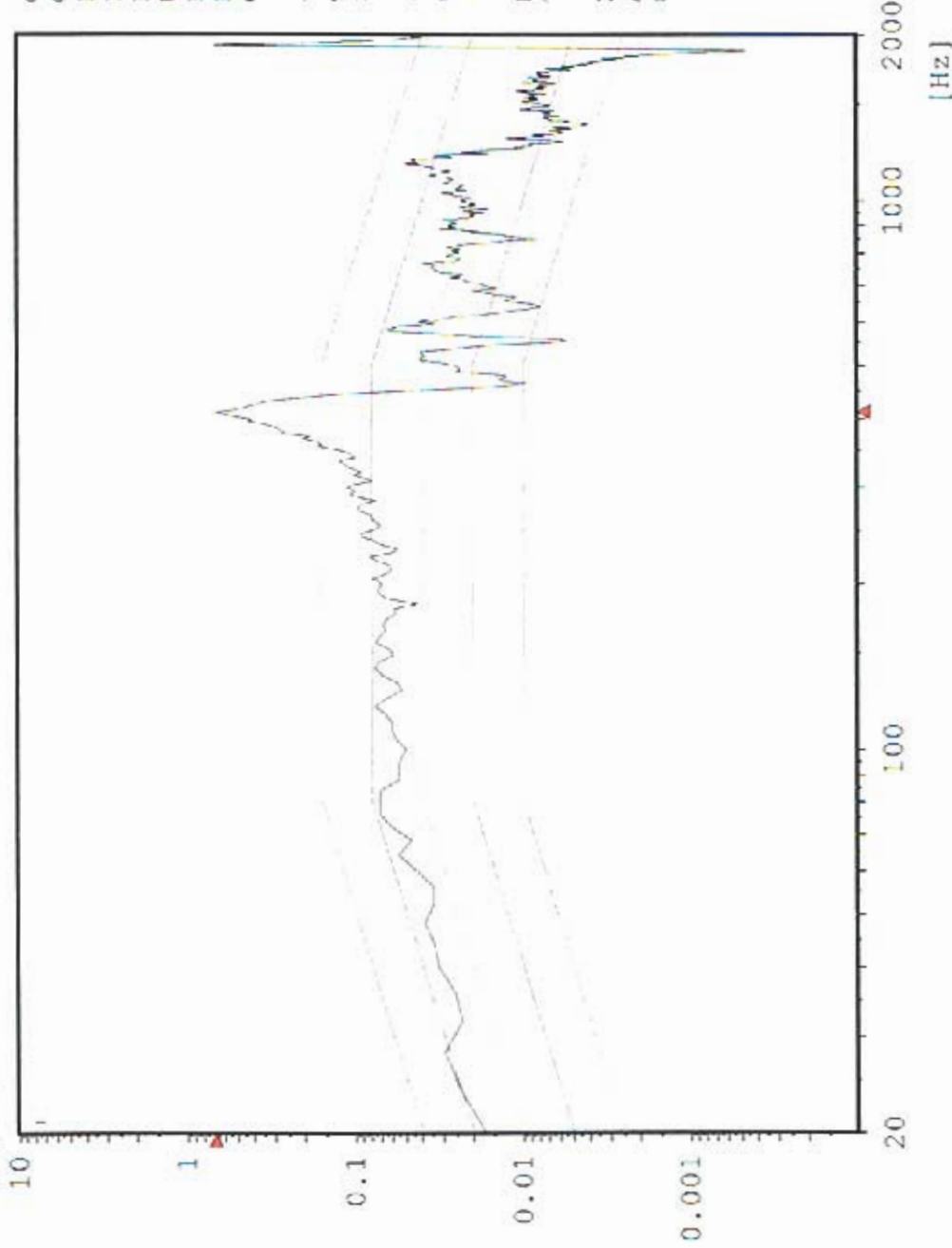
Cursor: 412 Hz 0.6854 g²/Hz

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.): 9.76 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: 000:02:45
remaining: 000:00:00

Date: 06-13-05
Time: 12:00:39

X - Axis
Acceptance Unit
GLAT 1837

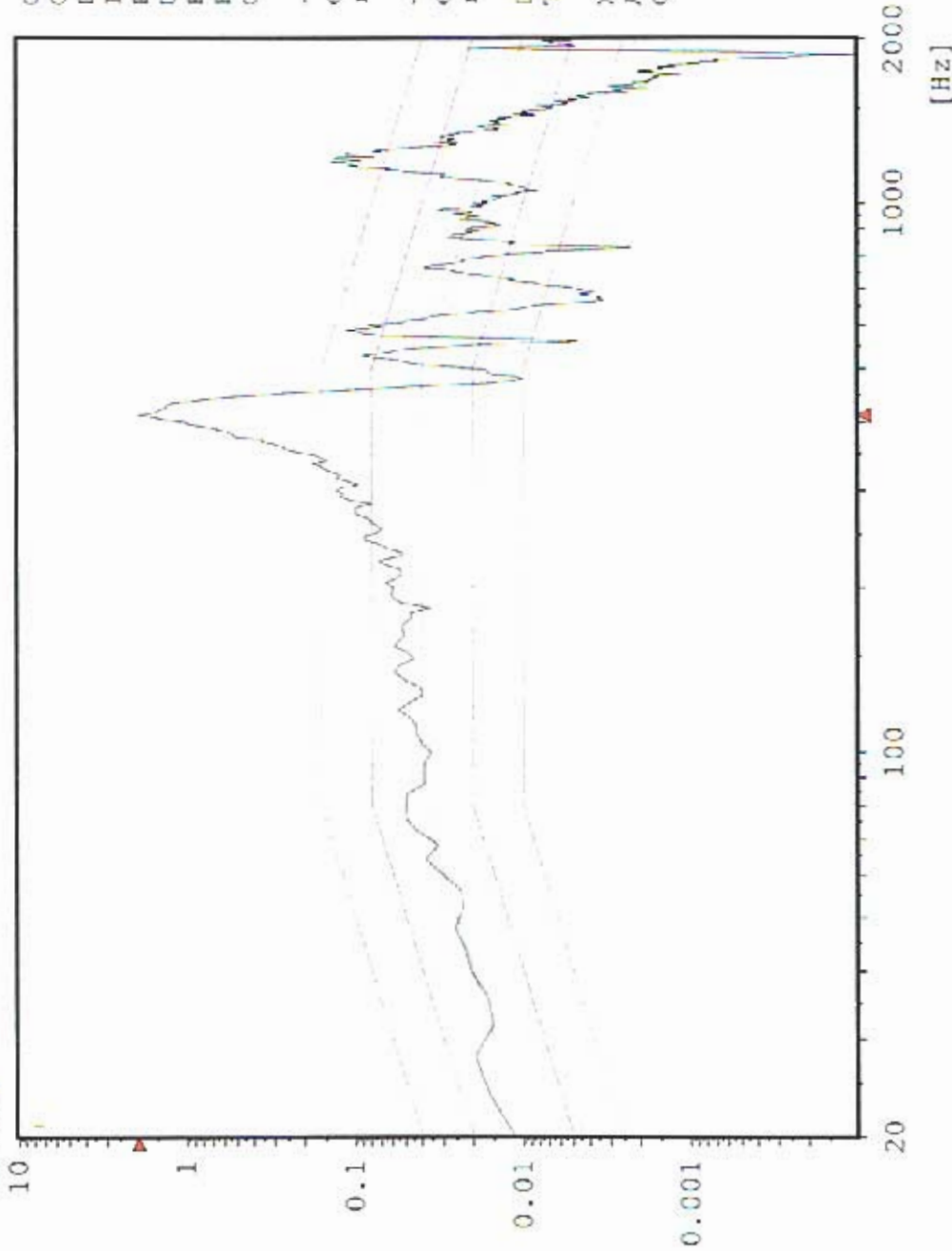
Max: 412 Hz 1.967 g²/Hz

Random AX2 TPS Bottom center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 12 g
RMS (req.): 6.787 g
Contr.strat.: Closed loop

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

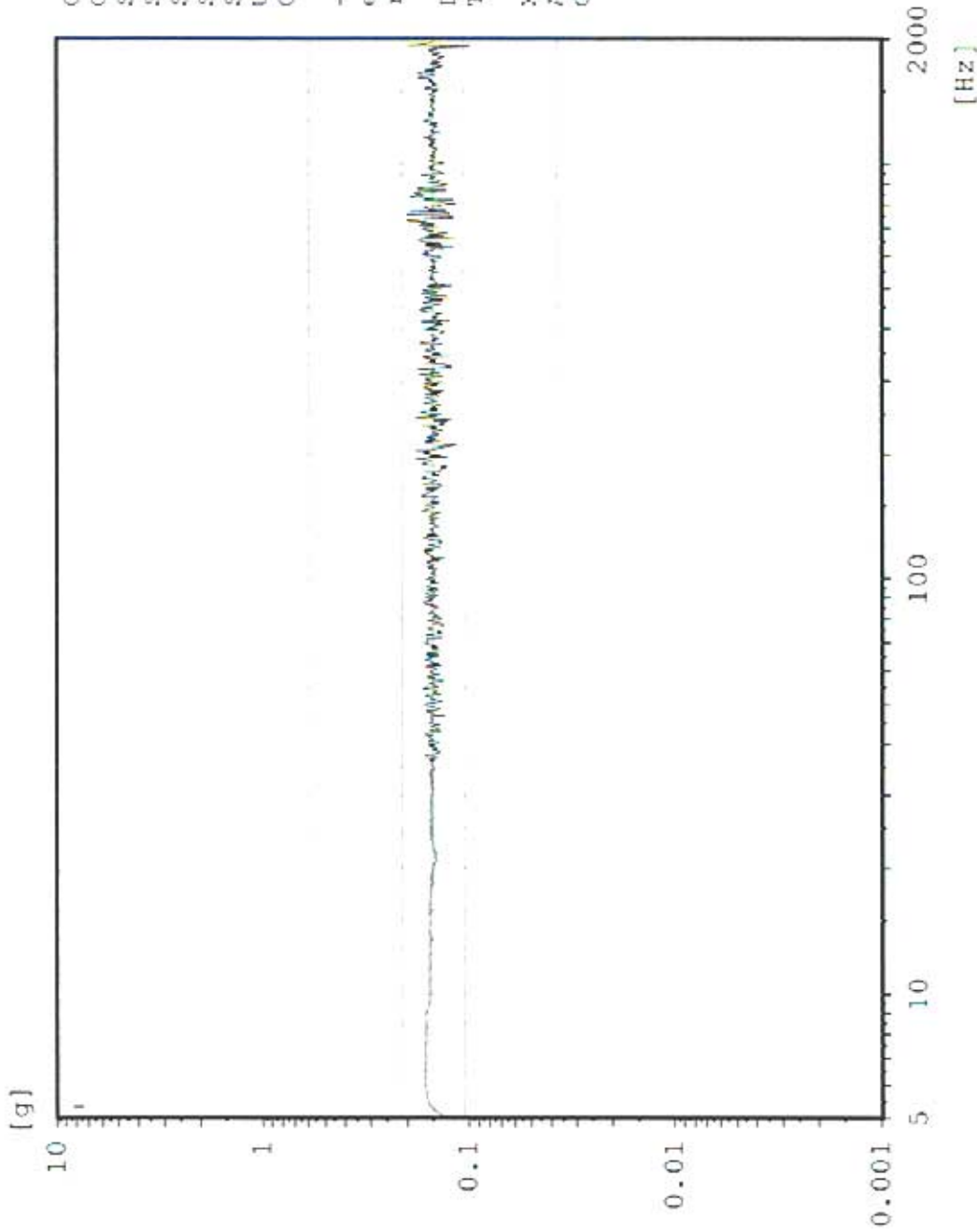
-- Time total --
elapsed: 000:02:45
remaining: 000:00:00

Date: 06-13-05
Time: 12:00:39

X - Axis
Acceptance Unit
GLAT 1837

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

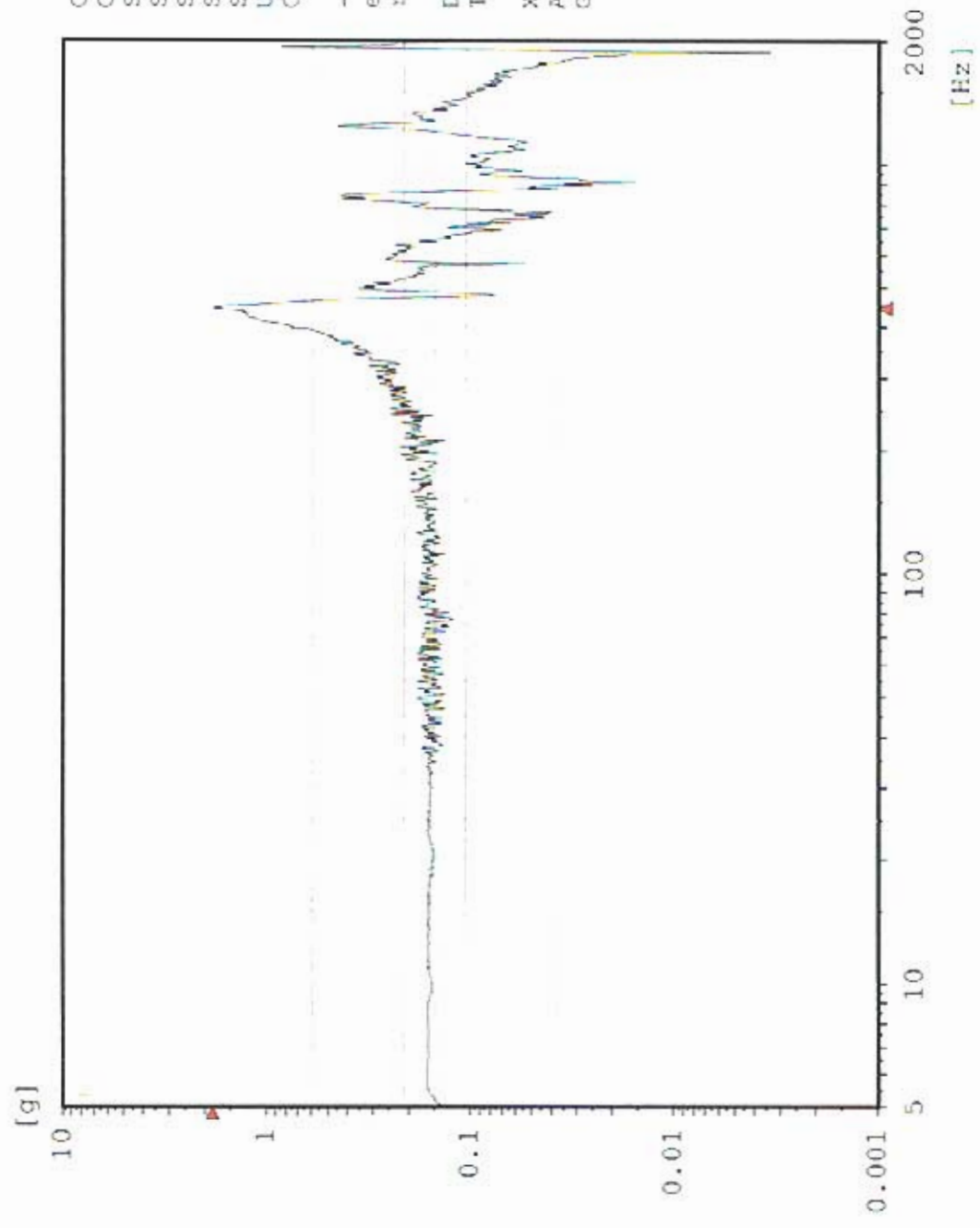
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 06-13-05
Time: 12:09:17

X - axis Post Random
Acceptance Unit
GLAT 1837

AX3 TPS top center

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 2
 Chan.type: Y 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

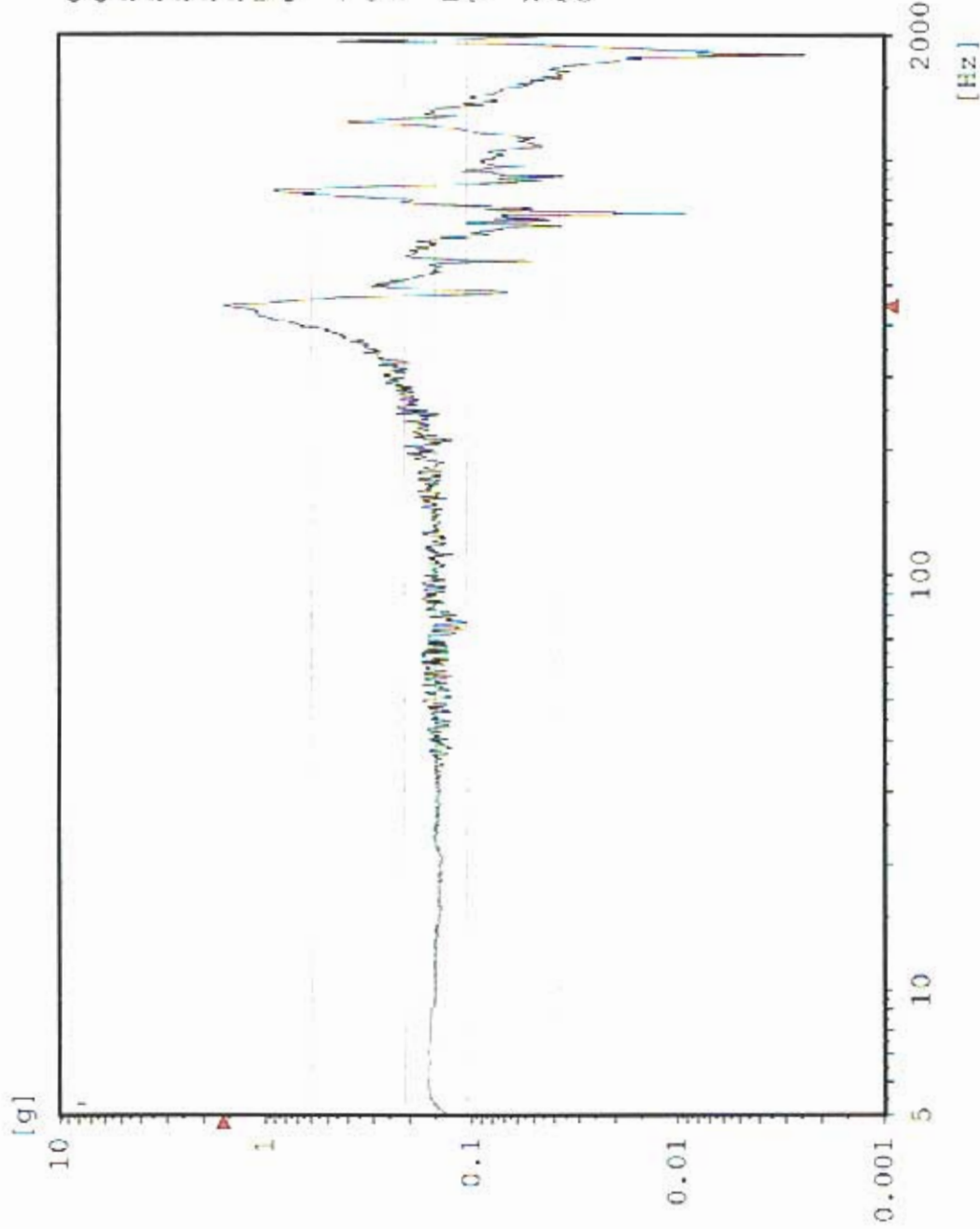
Date: 06-13-05
 Time: 12:09:17

X - axis Post Random
 Acceptance Unit
 GLAT 1837



AX4 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.: Closed loop

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

Date: 06-13-05
 Time: 12:09:17

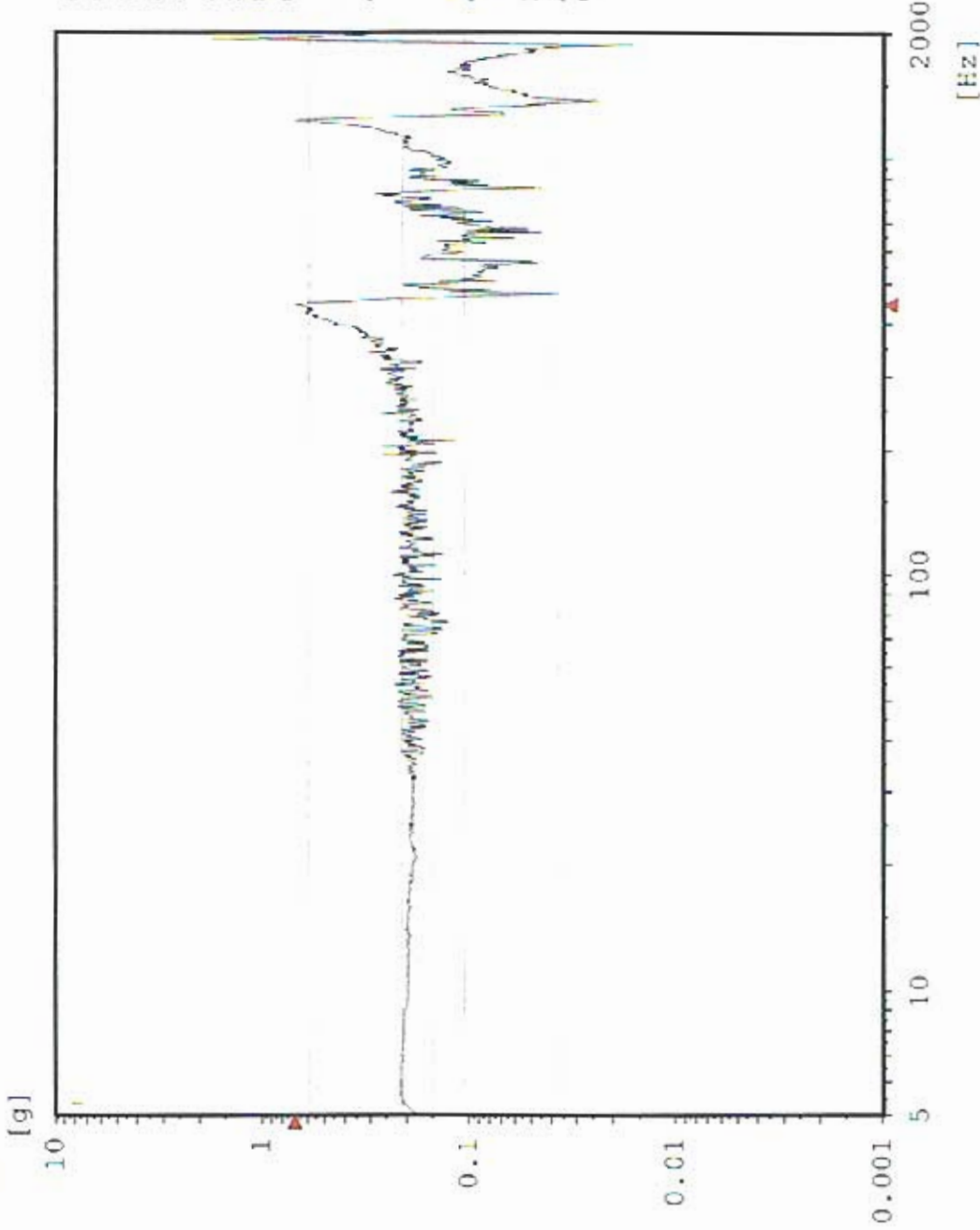
X - axis Post Random
 Acceptance Unit
 GLAT 1837

Sine AXI 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: 000:04:18
 remaining: 000:00:00
 Date: 06-13-05
 Time: 12:09:17

X - axis Post Random
 Acceptance Unit
 GLAT 1837

Sine AX2 TPS CG

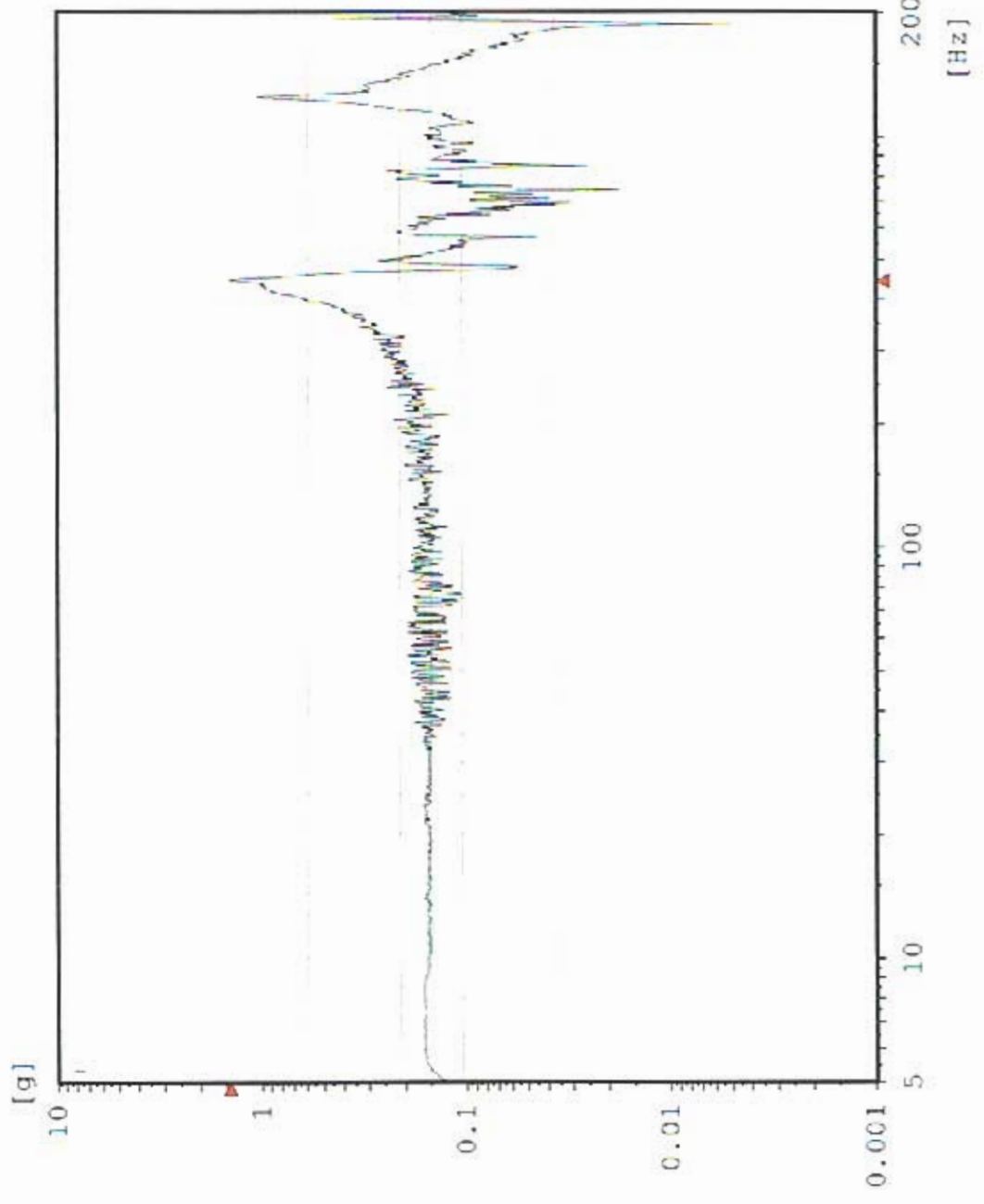
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



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: 12:09:17

X - axis Post Random
Acceptance Unit
GLAT 1837



Sine

CY1 Y-Axis Control

Stanford Linear Accelerator

J/N 49995.52036

TEX / TPS

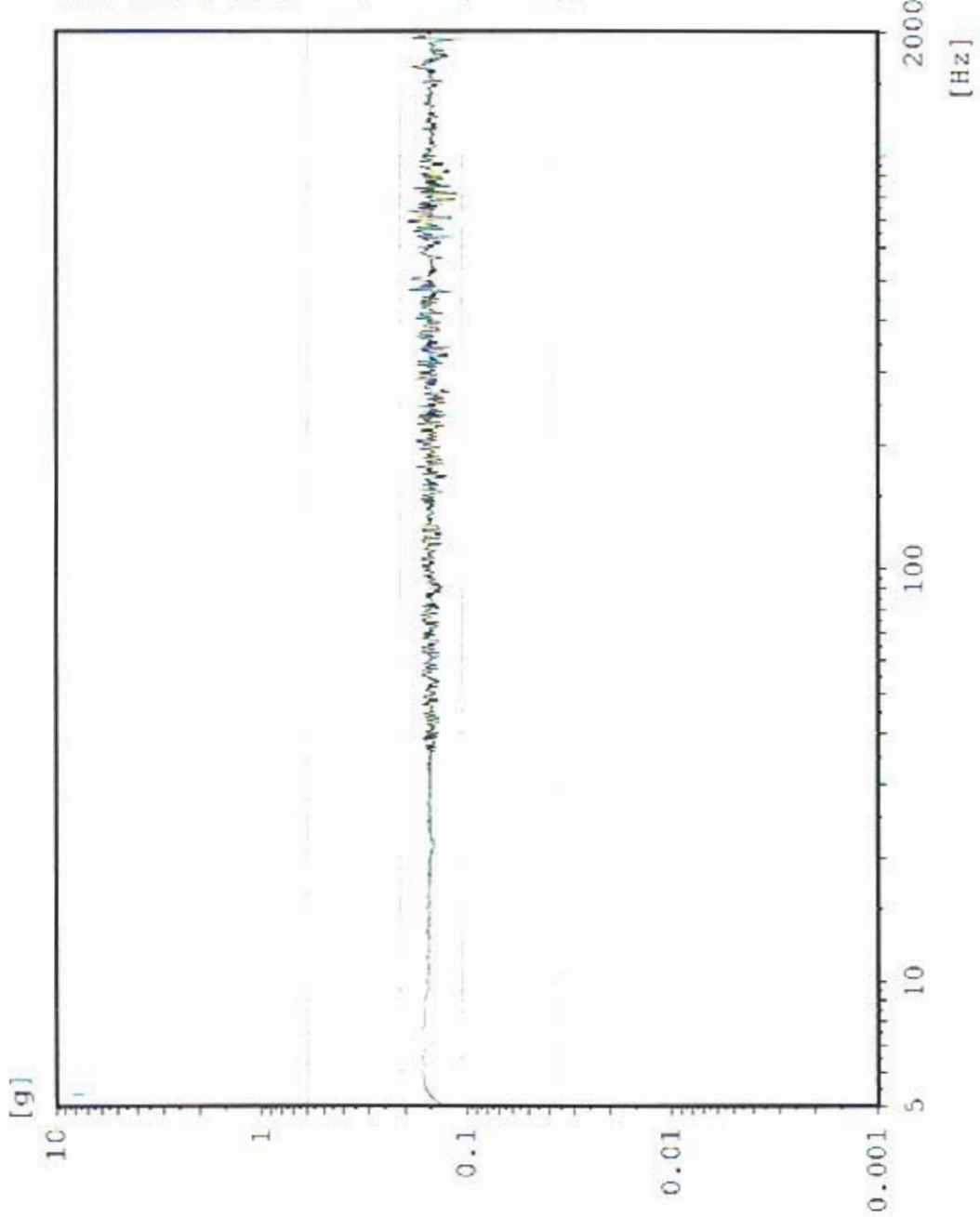


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct./min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:28:18

Y - axis Pre Random
Acceptance Unit
GLAT 1837



Sine AY3 TPS Top Center

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS

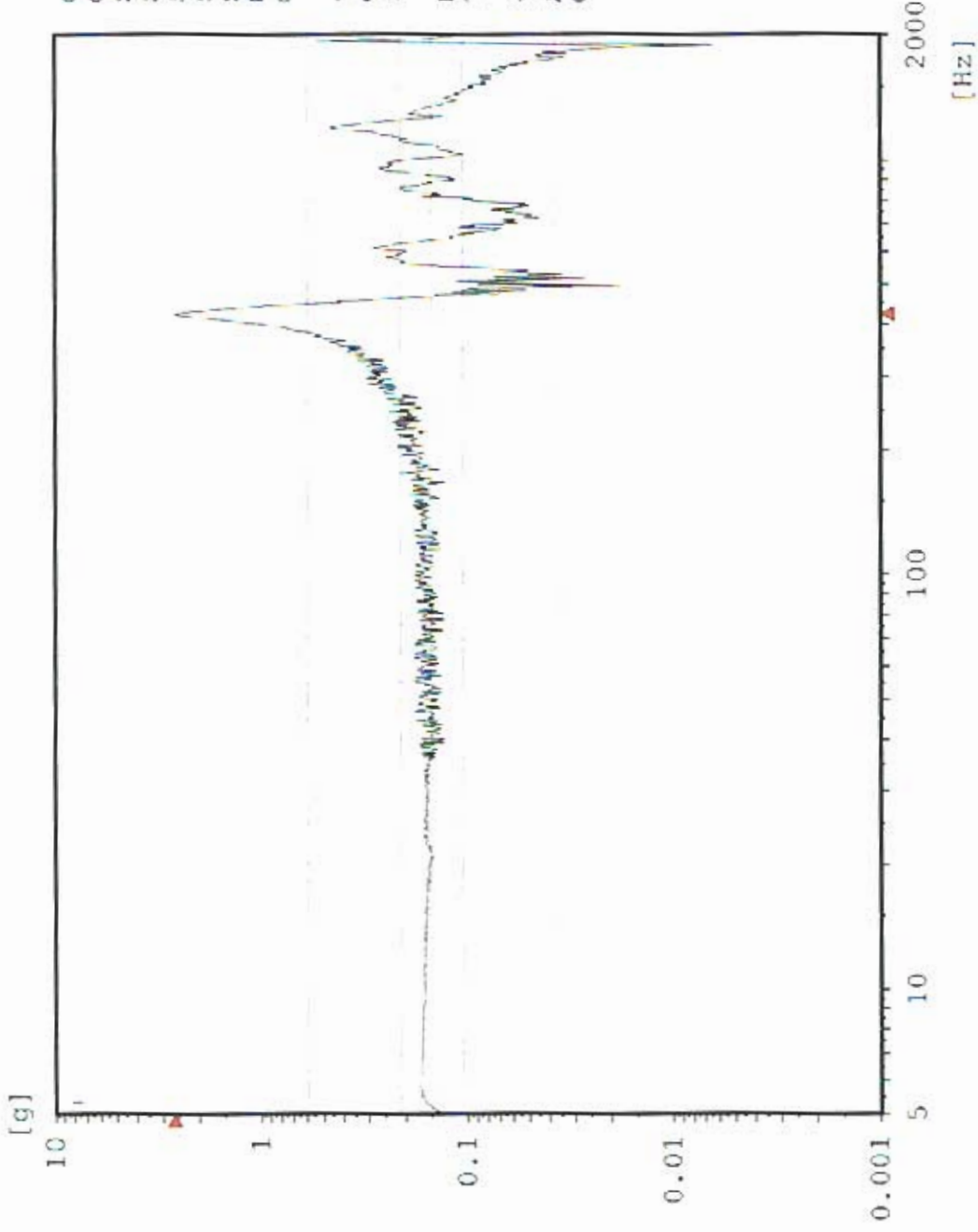


Chan.no: 2 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:28:18

Y - axis Pre Random
Acceptance Unit
GLAT 1837



AY4 TPS Top Edge

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEX / TPS

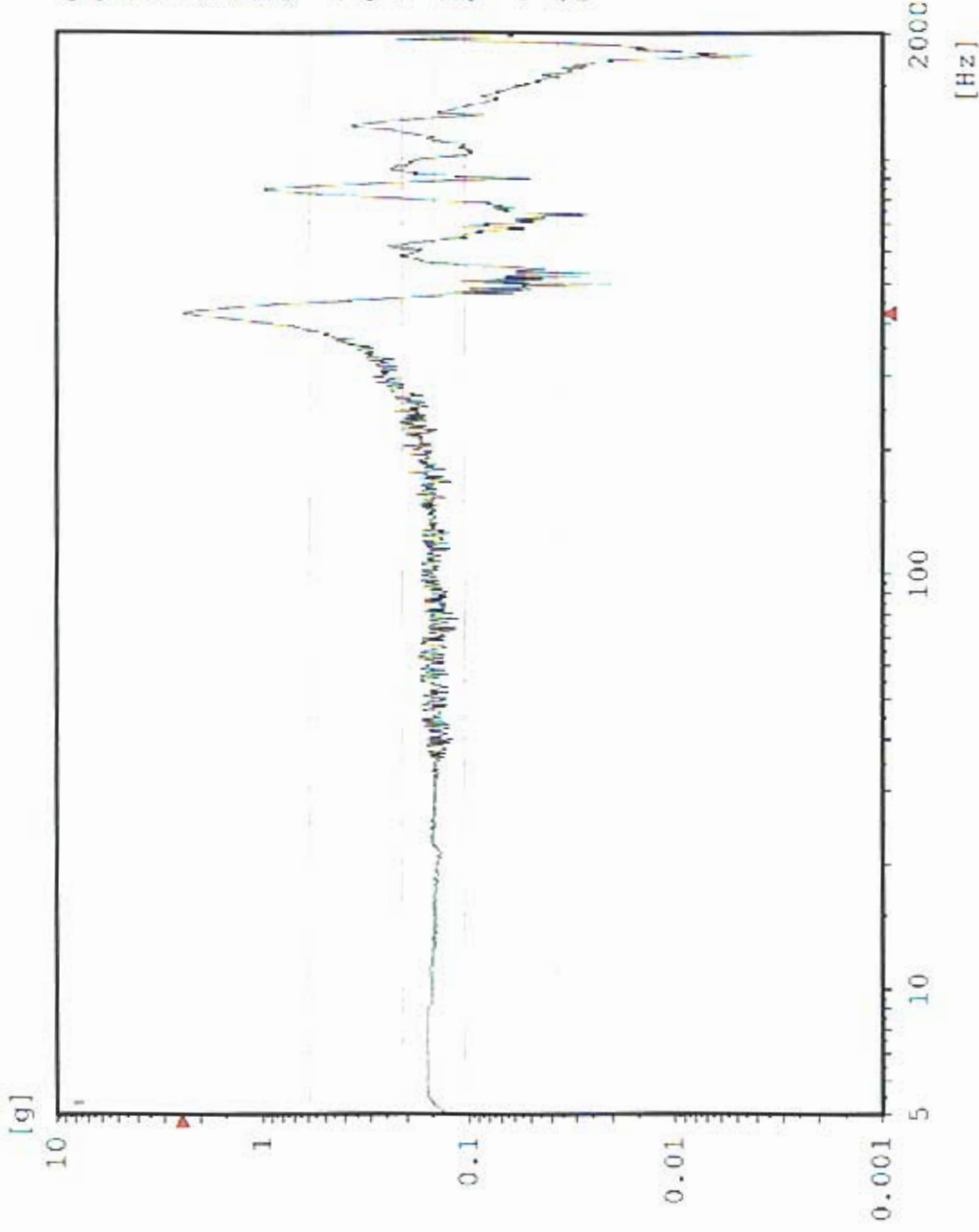


Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:28:18

Y - axis Pre Random
Acceptance Unit
GLAT 1837

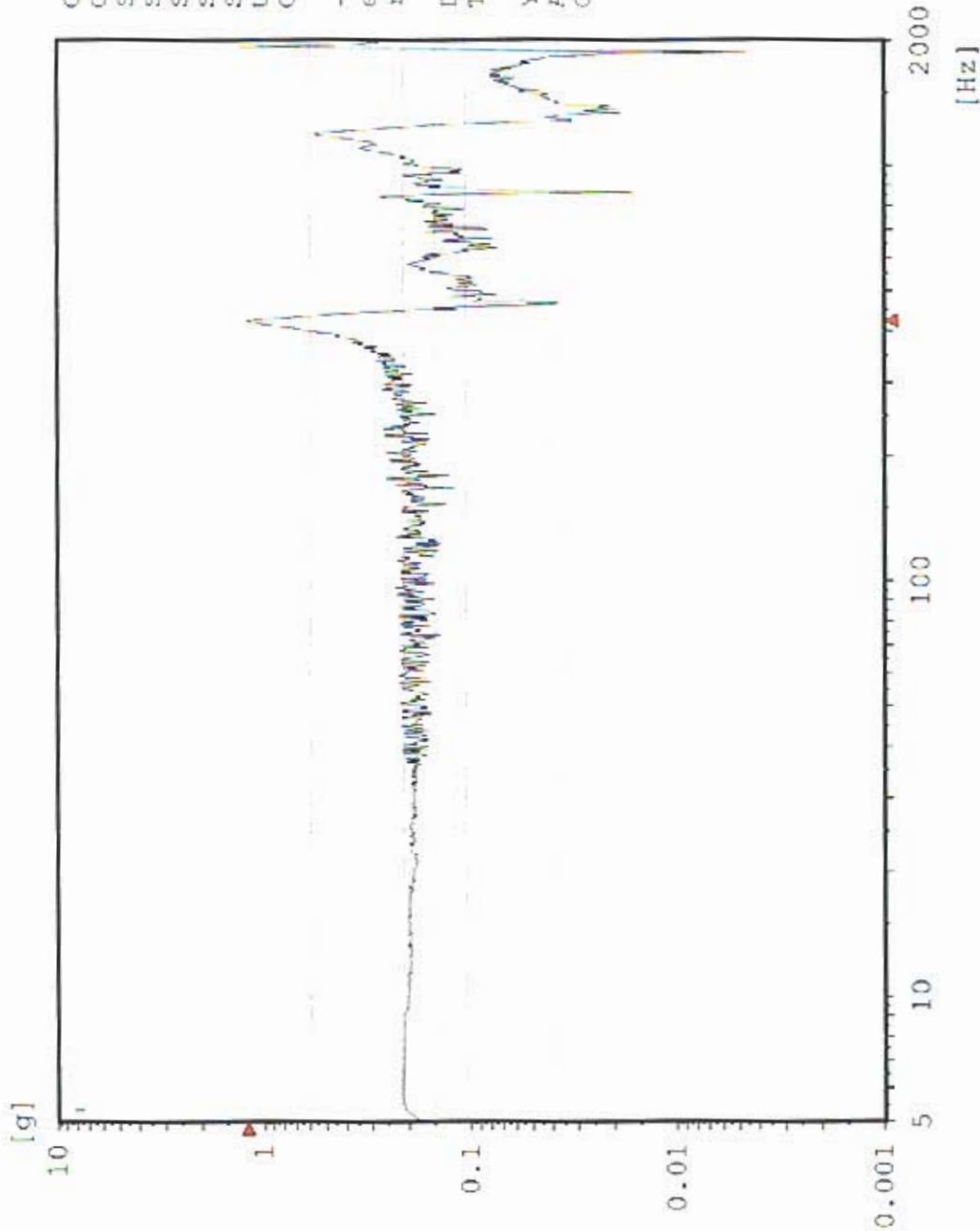


Sine AY1 TEM Center Edge

Stanford Linear Accelerator

J/N 49995.52036

TEX / 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: 12:28:18

Y - axis Pre Random
Acceptance Unit
GLAT 1837

Sine AY2 TPS CG

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

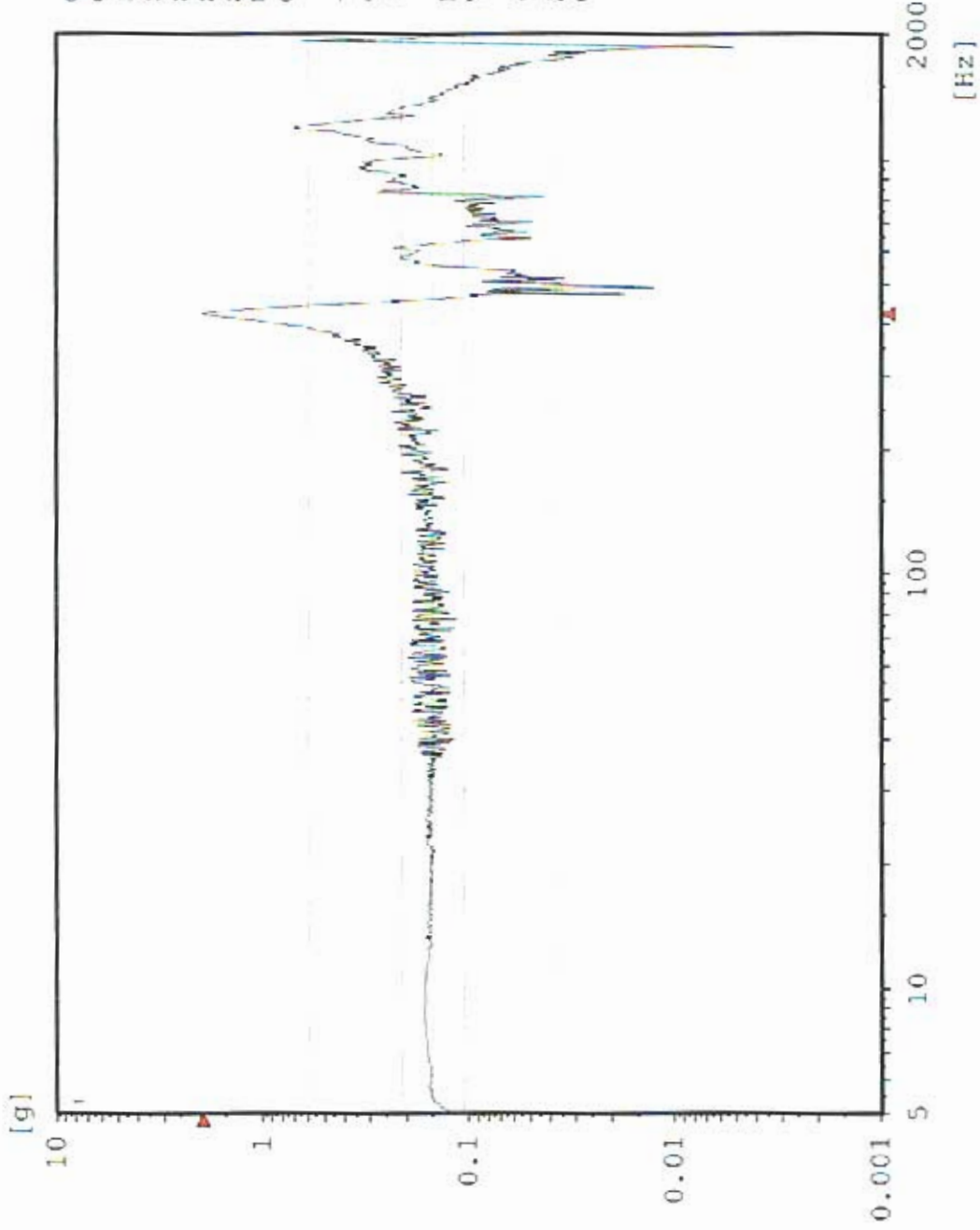


Chan.no: 10 M Filtered
Chan.type: logarithmic
Sweep type: 1
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:28:18

Y - axis Pre Random
Acceptance Unit
GLAT 1837



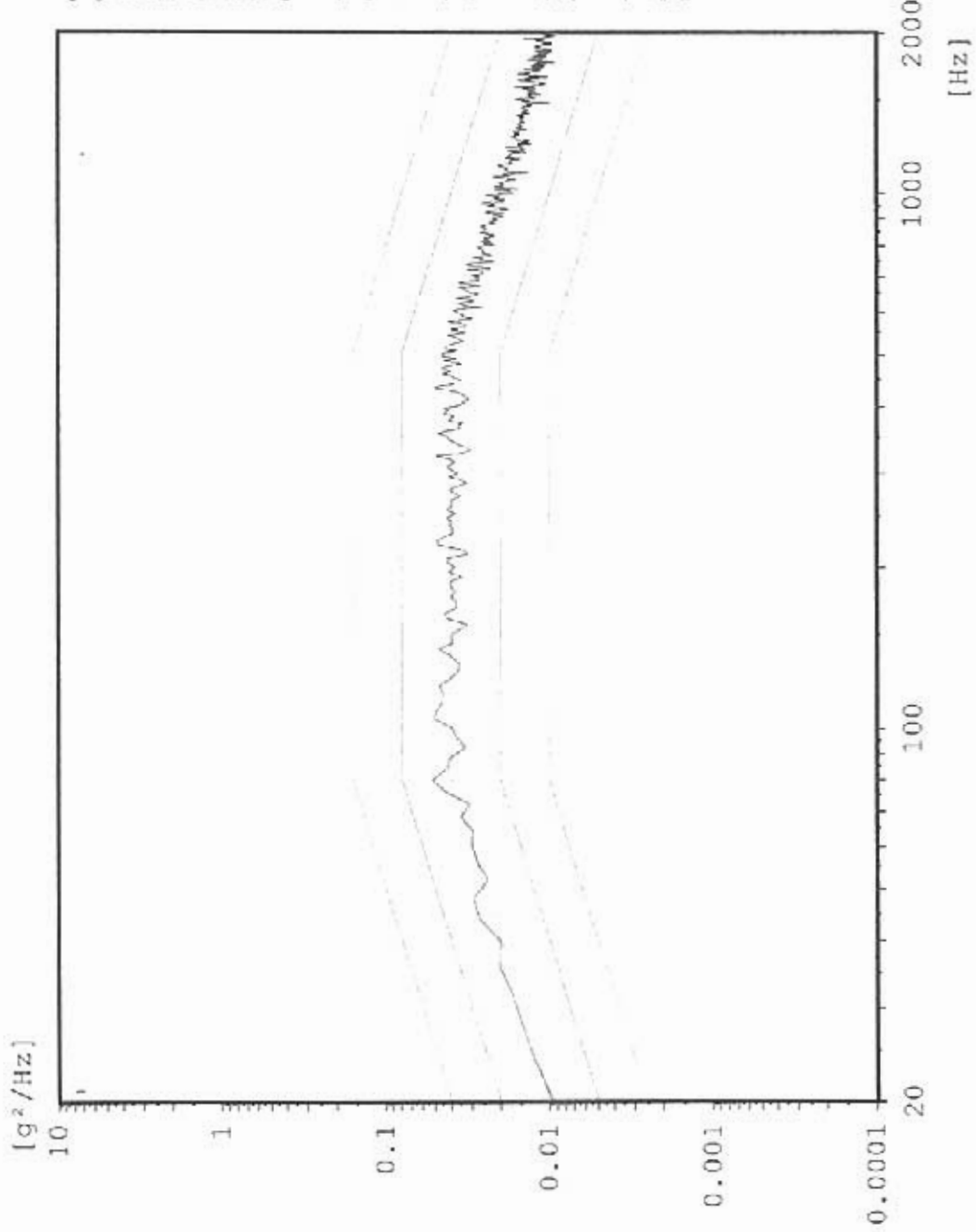
CY1 Y-Axis Control

Random

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: g²/Hz
RMS (act.): 6.795 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: 12:34:46

Y - Axis
Acceptance Unit
GLAT 1837

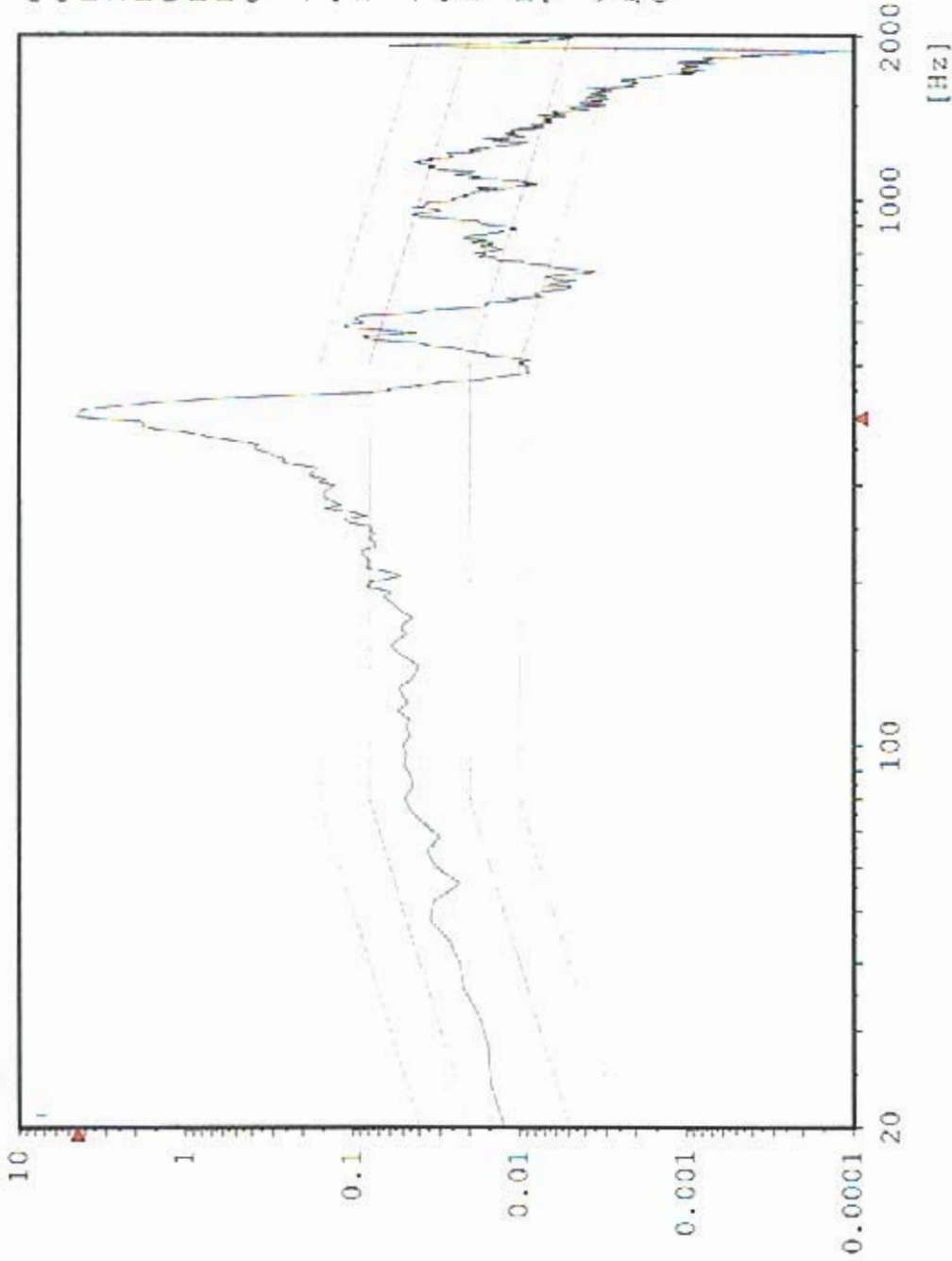
Max: 400 Hz 4.473 g²/Hz

Random AY3 TPS Top Center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 14.92 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: 12:34:46

Y - Axis
Acceptance Unit
GLAT 1837

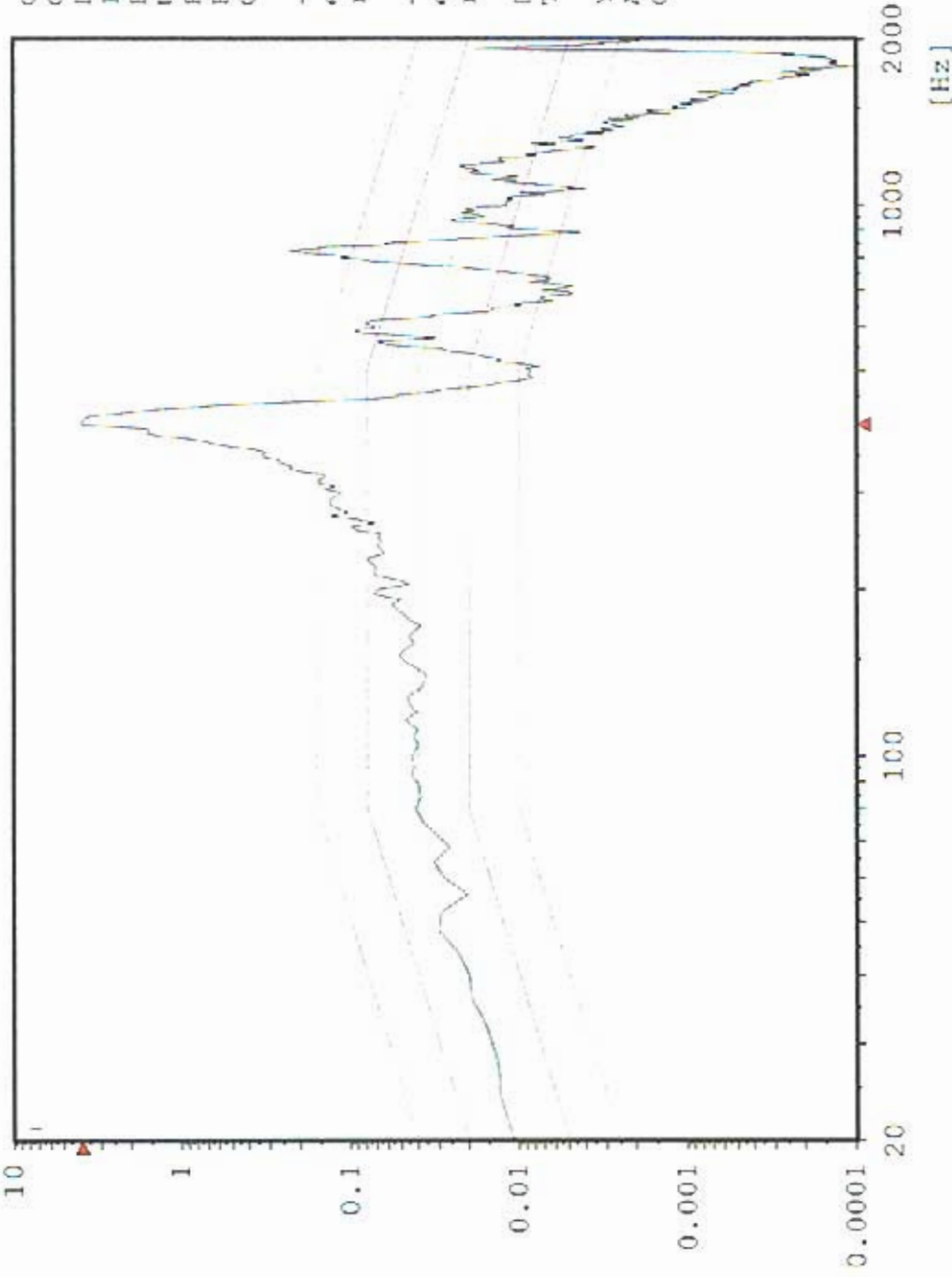
Cursor: 400 Hz 3.915 g²/Hz

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.): 14.06 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: 12:34:46

Y - Axis
Acceptance Unit
GLAT 1837

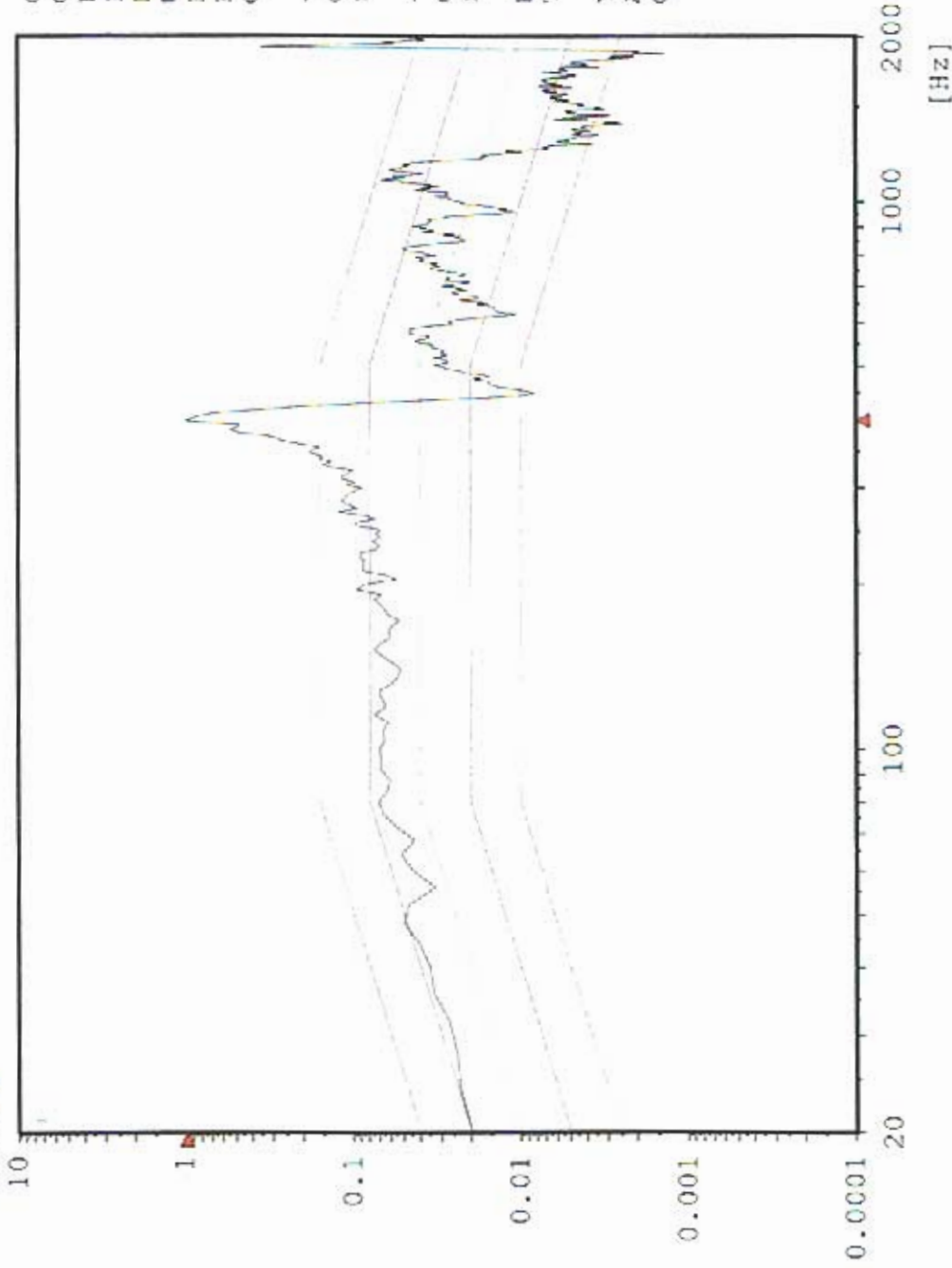
Max: 400 Hz 0.9895 g²/Hz

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.): 9.96 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

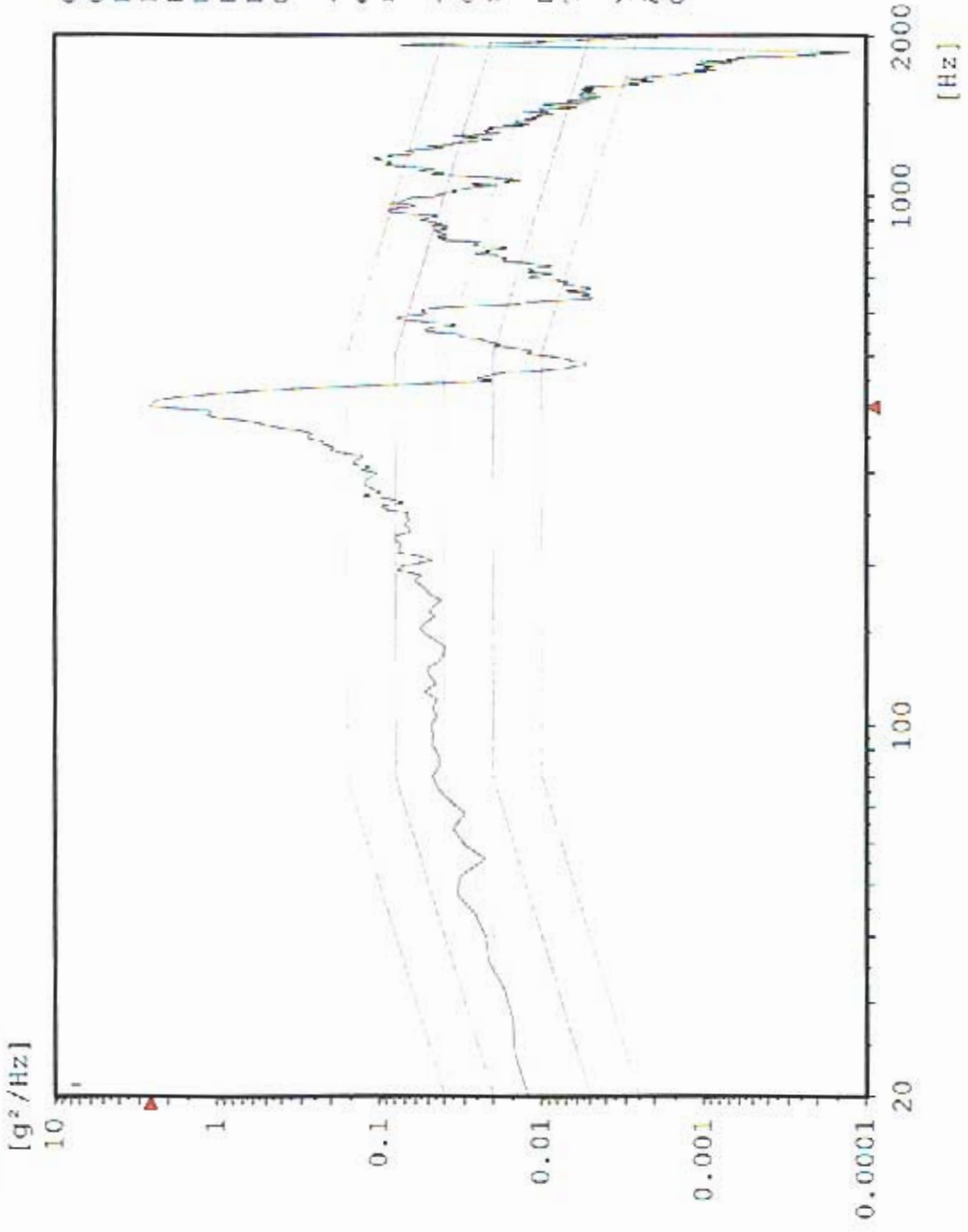
Date: 06-13-05
Time: 12:34:46

Y - Axis
Acceptance Unit
GLAT 1837

Max: 400 Hz 2.583 g²/Hz

AY2 TPS CG

Random
Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



Chan.no: 10
 Chan.type: M
 DOP: 100
 Level: 0.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 12.55 g
 RMS (req.): 6.787 g
 Contr.strat.: Closed loop

-- Time on act. level --
 elapsed: 000:01:06
 remaining: 000:00:00

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

Date: 06-13-05
 Time: 12:34:46

Y - Axis
 Acceptance Unit
 GLAT 1837

CY1 Y-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS

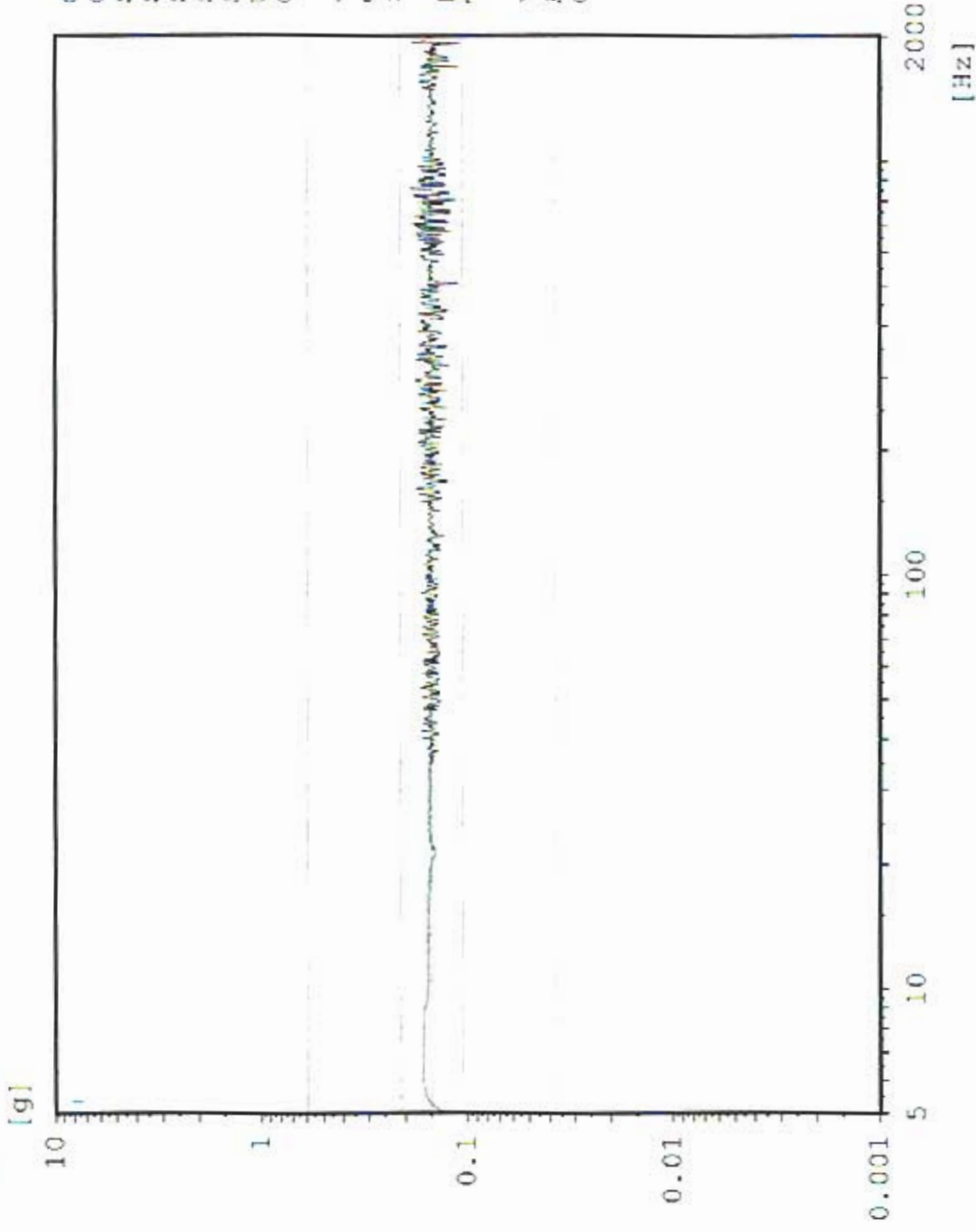


Chan.no: 1
Chan.type: CW Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:43:21

Y - axis Post Random
Acceptance Unit
GLAT 1837



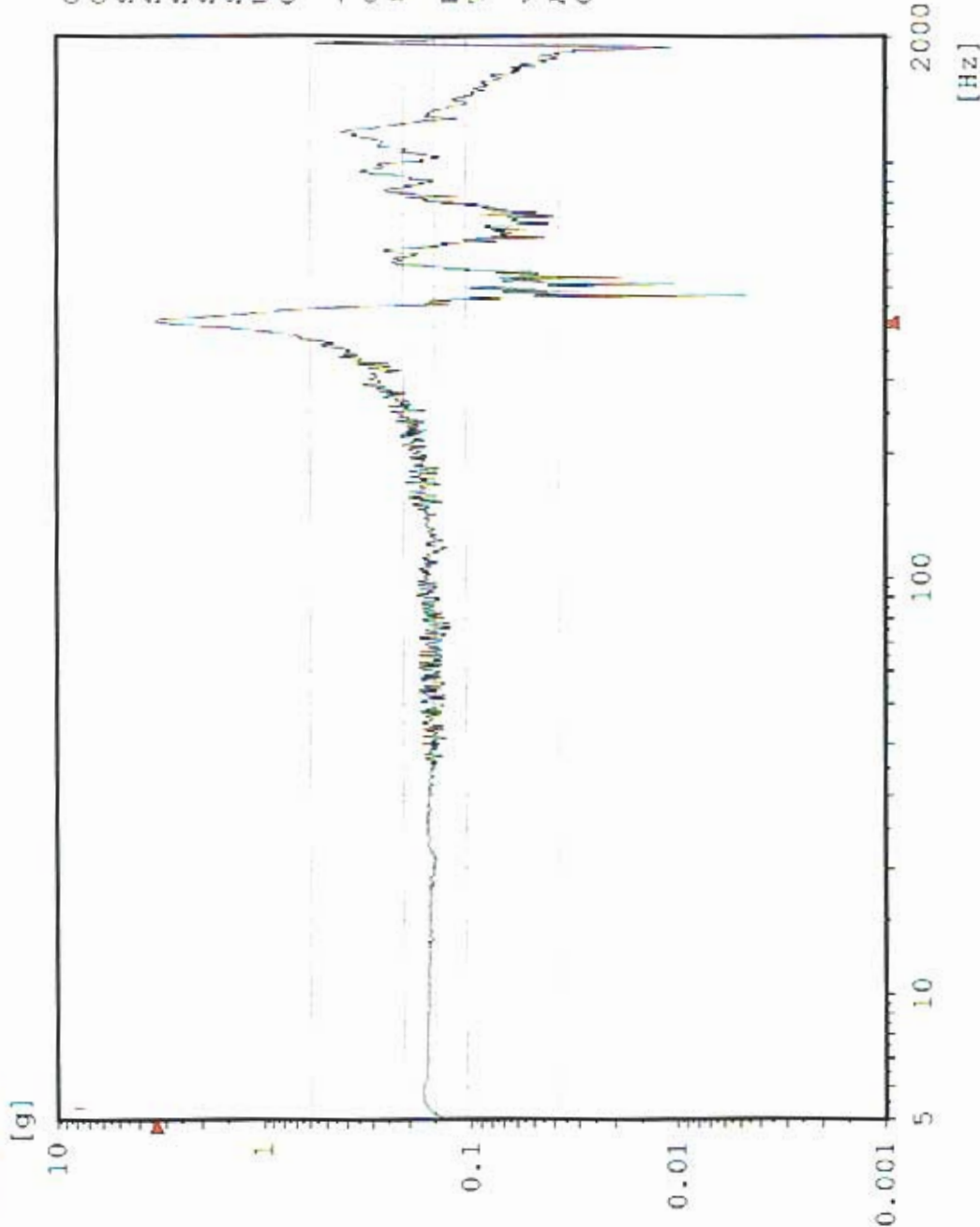
AY3 TPS Top Center

Sine
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: 12:43:21
Y - axis Post Random
Acceptance Unit
GLAT 1837



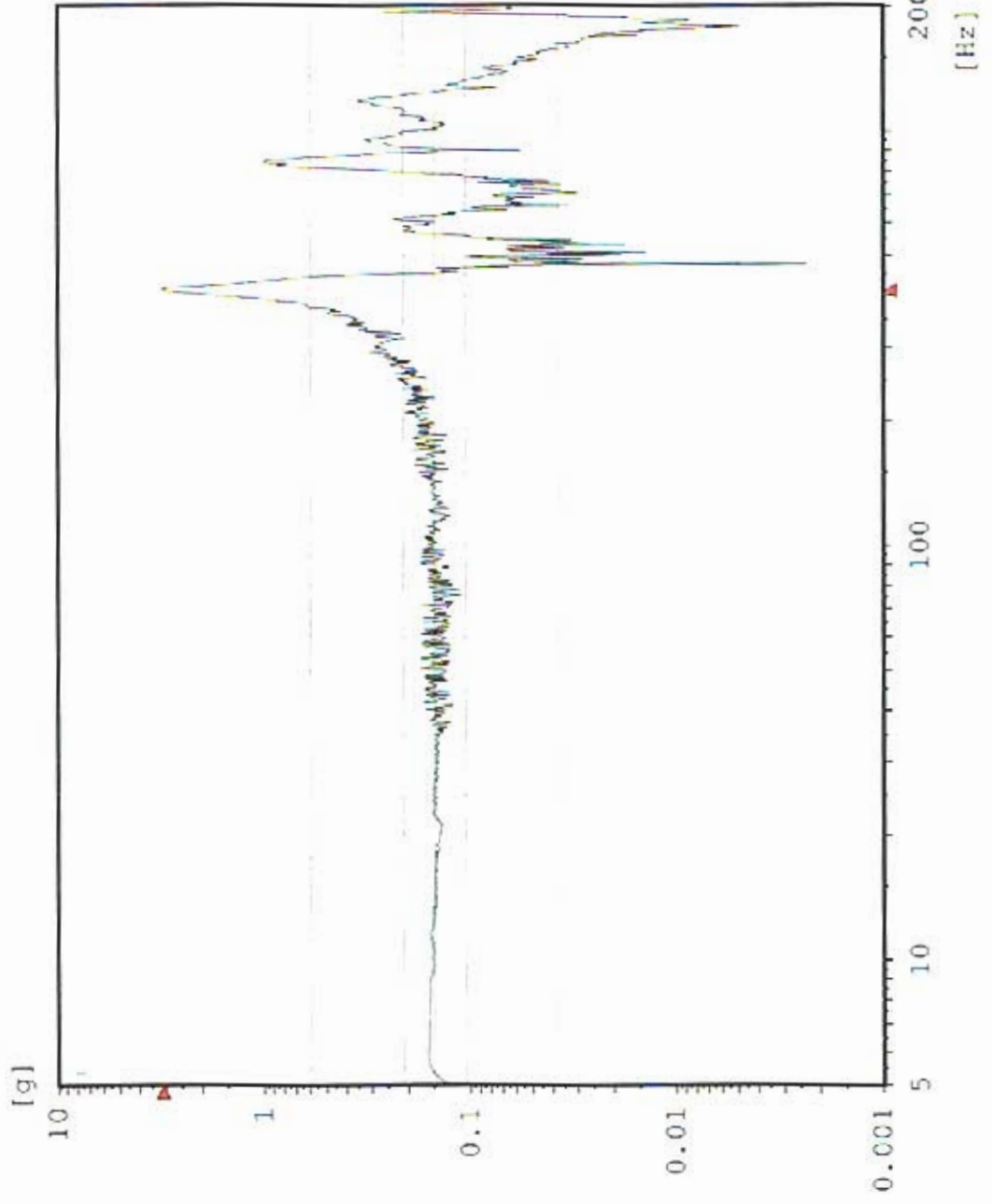
AY4 TPS Top Edge

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 3
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: 12:43:21
Y - axis Post Random
Acceptance Unit
GLAT 1837



Sine AY1 TEM Center Edge

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

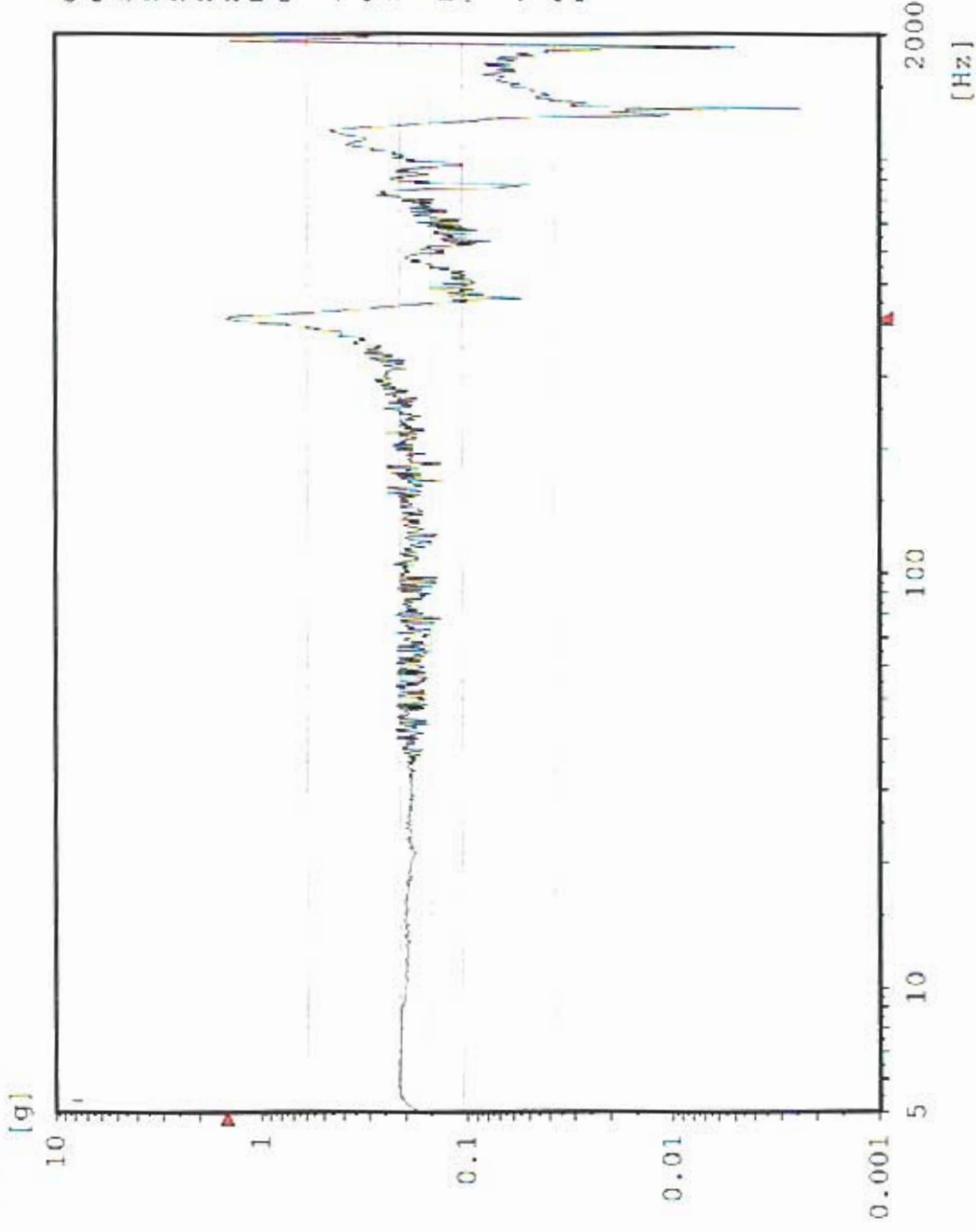


Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

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

Date: 06-13-05
 Time: 12:43:21

Y - axis Post Random
 Acceptance Unit
 GLAT 1837



AY2 TPS CG

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

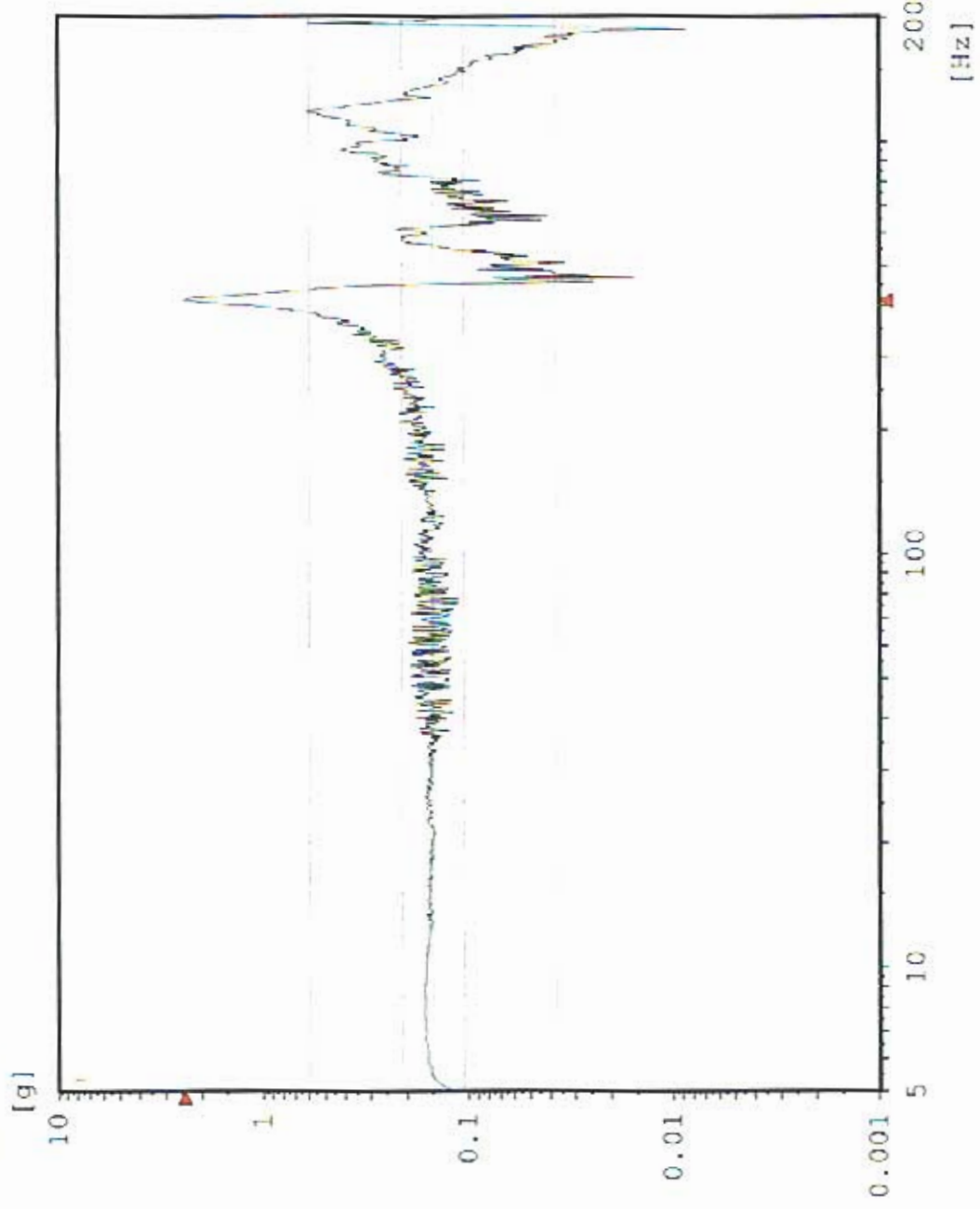


Chan.no: 10
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 12:43:21

Y - axis Post Random
Acceptance Unit
GLAT 1837



Sine

CZ1 Z-Axis Control

Stanford Linear Accelerator

J/N 49995.52036

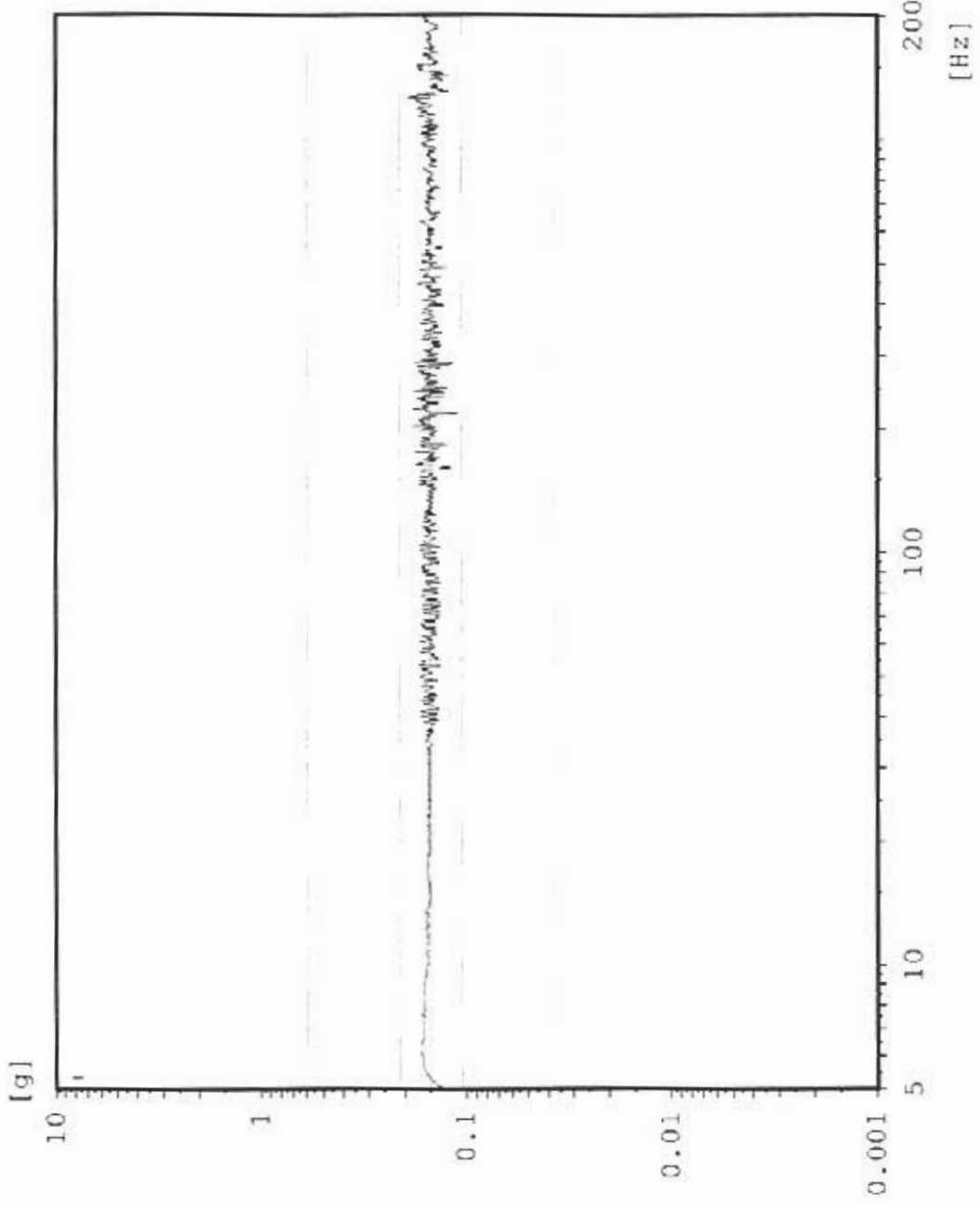
TEM / TPS



Chan.no: 1
Chan.type: CK 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: 15:44:08

Z - axis Pre Random
Acceptance Unit
GLAT 1837



AZ4 TPS Boss 2

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

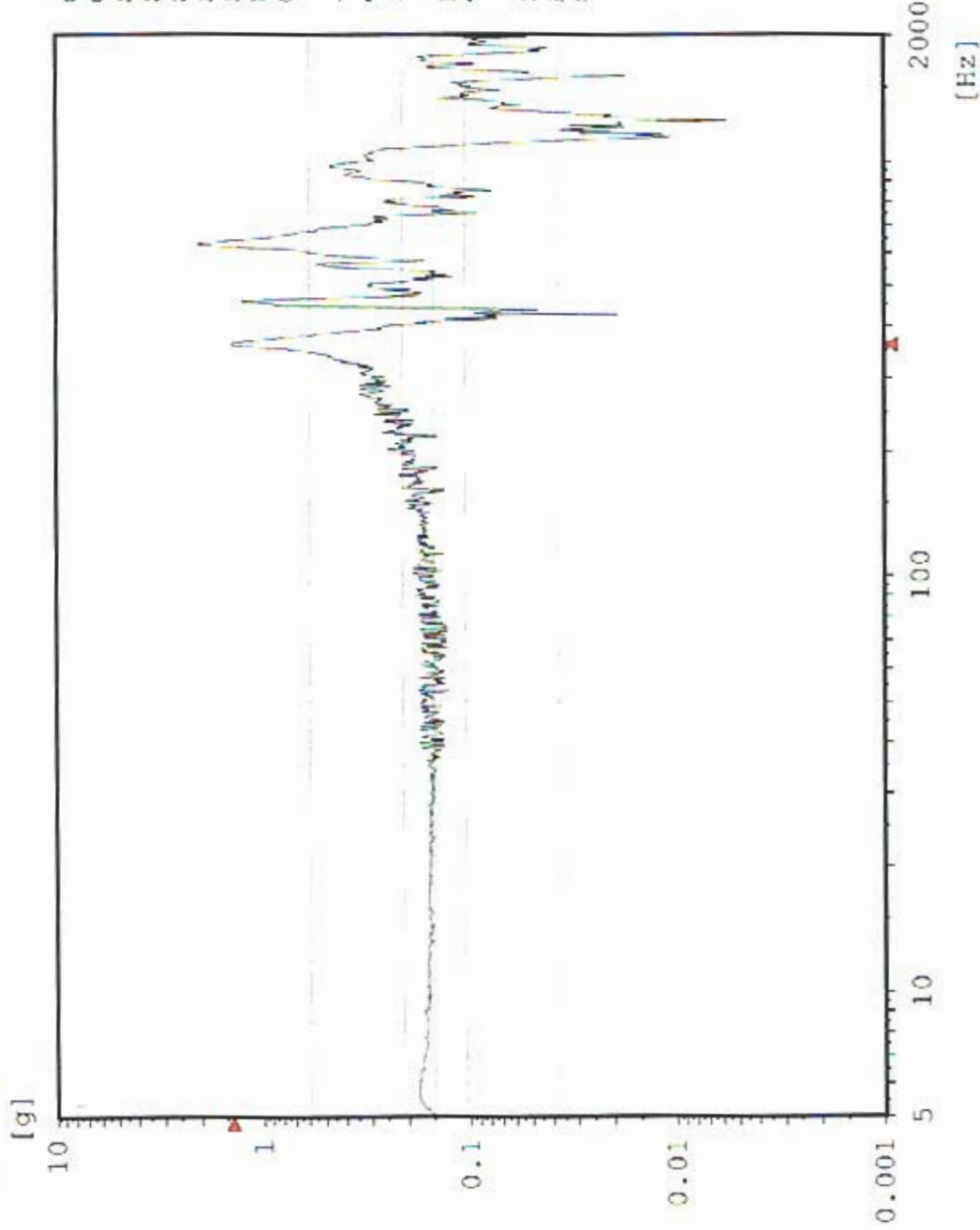


Chan.no: 2
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 15:44:08

Z - axis Pre Random
Acceptance Unit
GLAT 1837



AZ3 TPS Boss 1

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

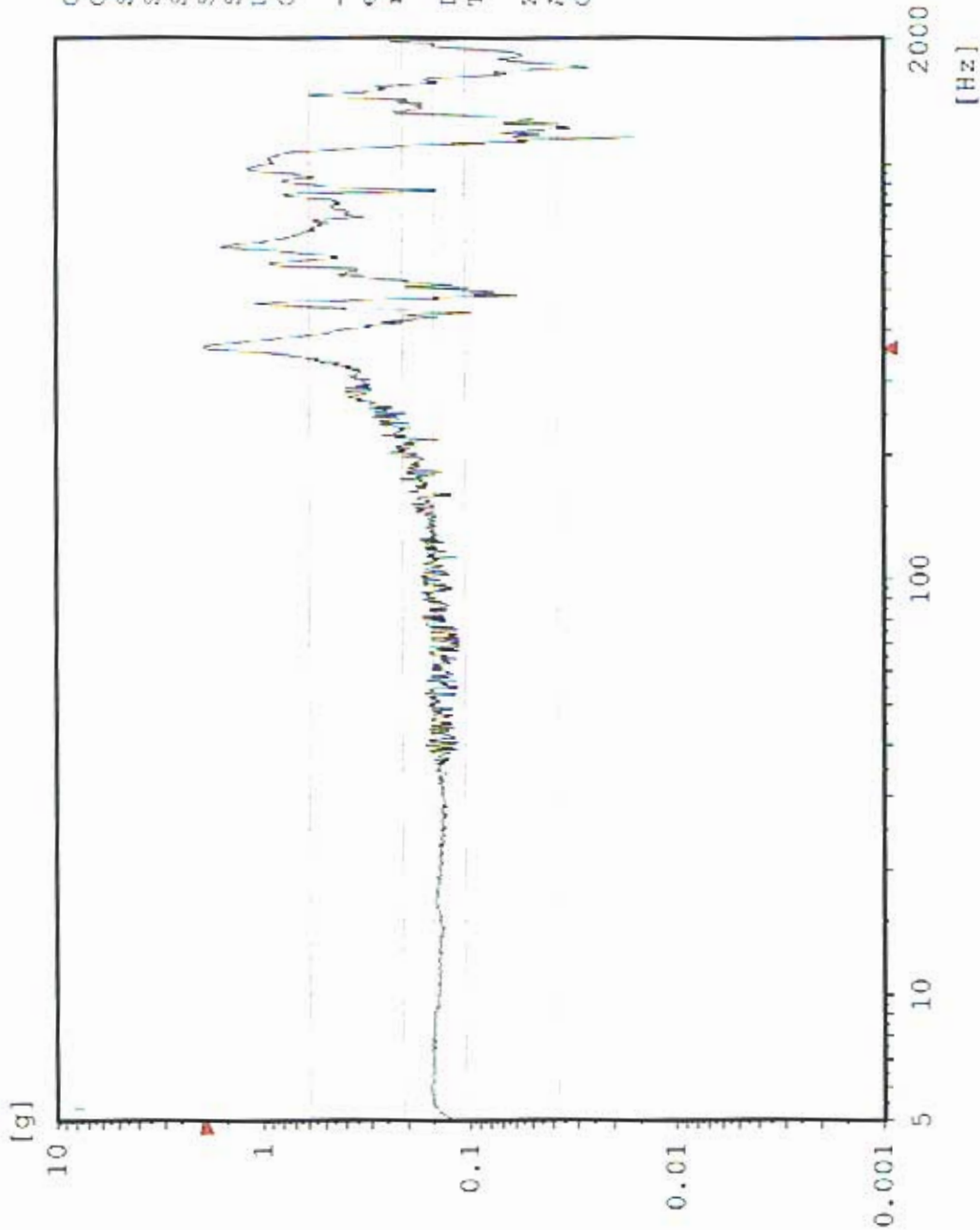


Chan.no: 3
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

-- Testing time --
elapsed: 000:04:15
remaining: 000:00:00

Date: 06-13-05
Time: 15:44:08

Z - axis Pre Random
Acceptance Unit
GLAT 1837



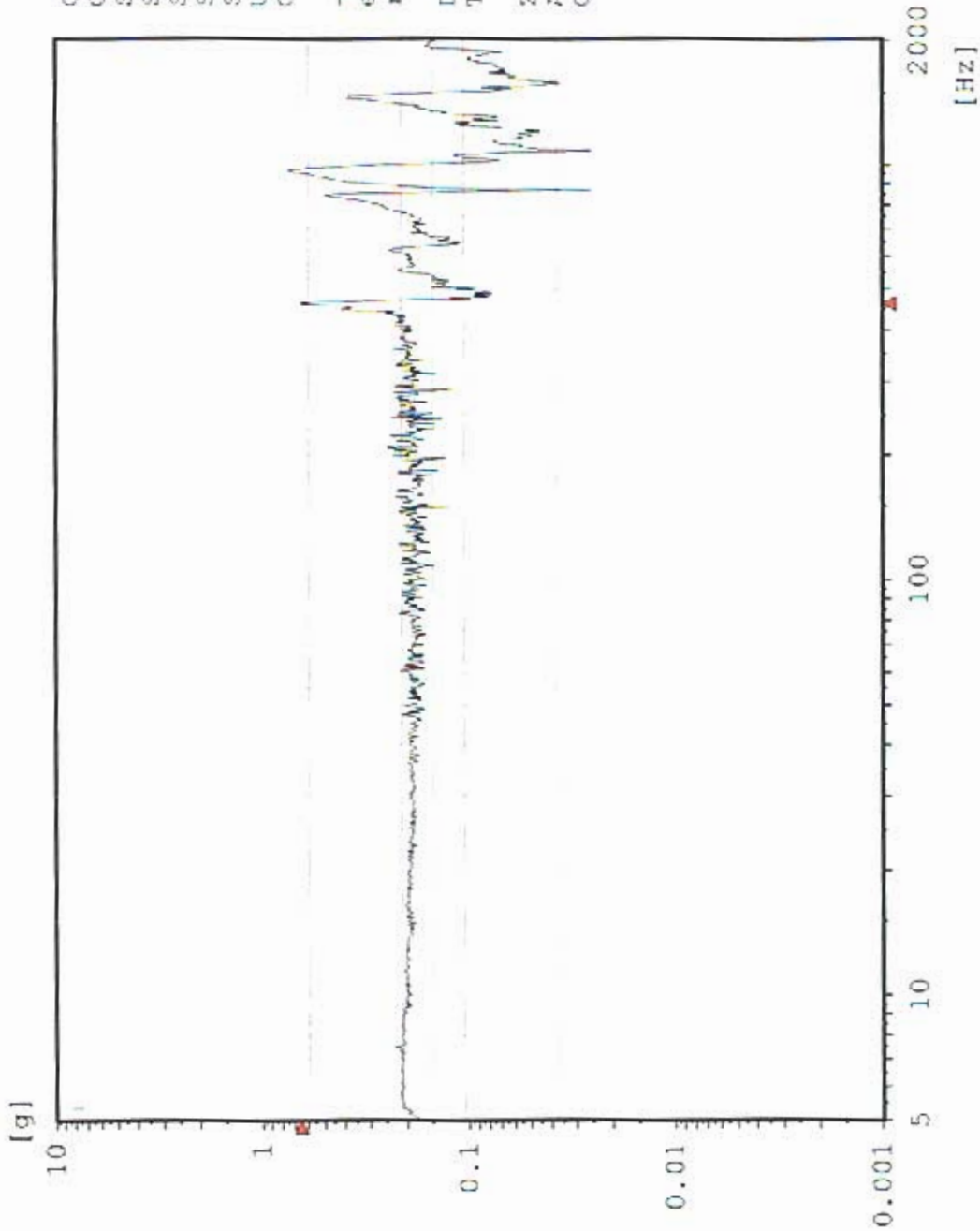
AZ5 TEM Bottom Edge

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: 15:44:08

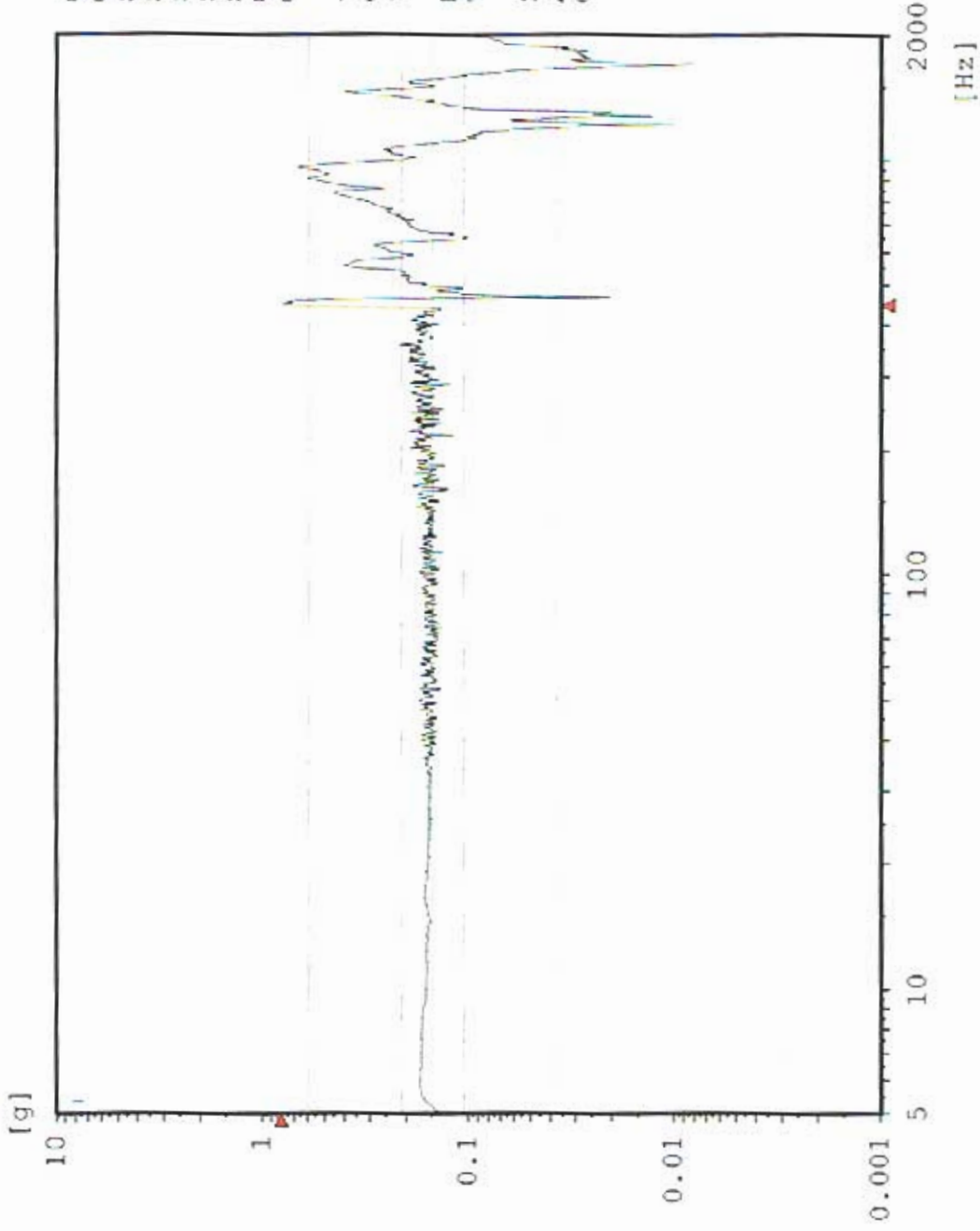
Z - axis Pre Random
 Acceptance Unit
 GLAT 1837

Sine AZ1 TPS Edge Center

Stanford Linear Accelerator

J/N 49995.52036

TEM / TPS



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

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

Date: 06-13-05
 Time: 15:44:08

Z - axis Pre Random
 Acceptance Unit
 GLAT 1837

Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

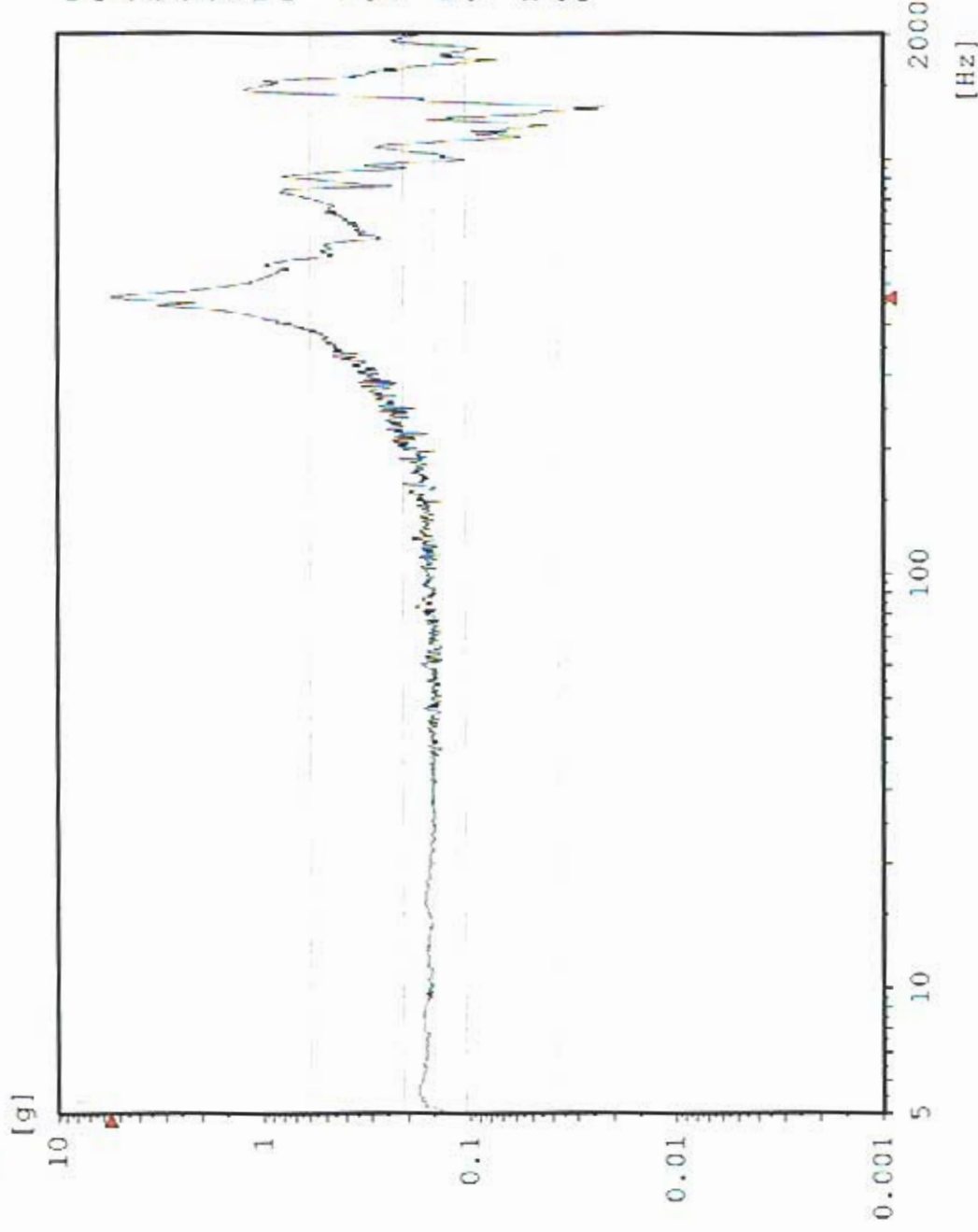


Chan.no: 8 M Filtered
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 15:44:08

Z - axis Pre Random
Acceptance Unit
GLAT 1837



AZ2 TPS Corner

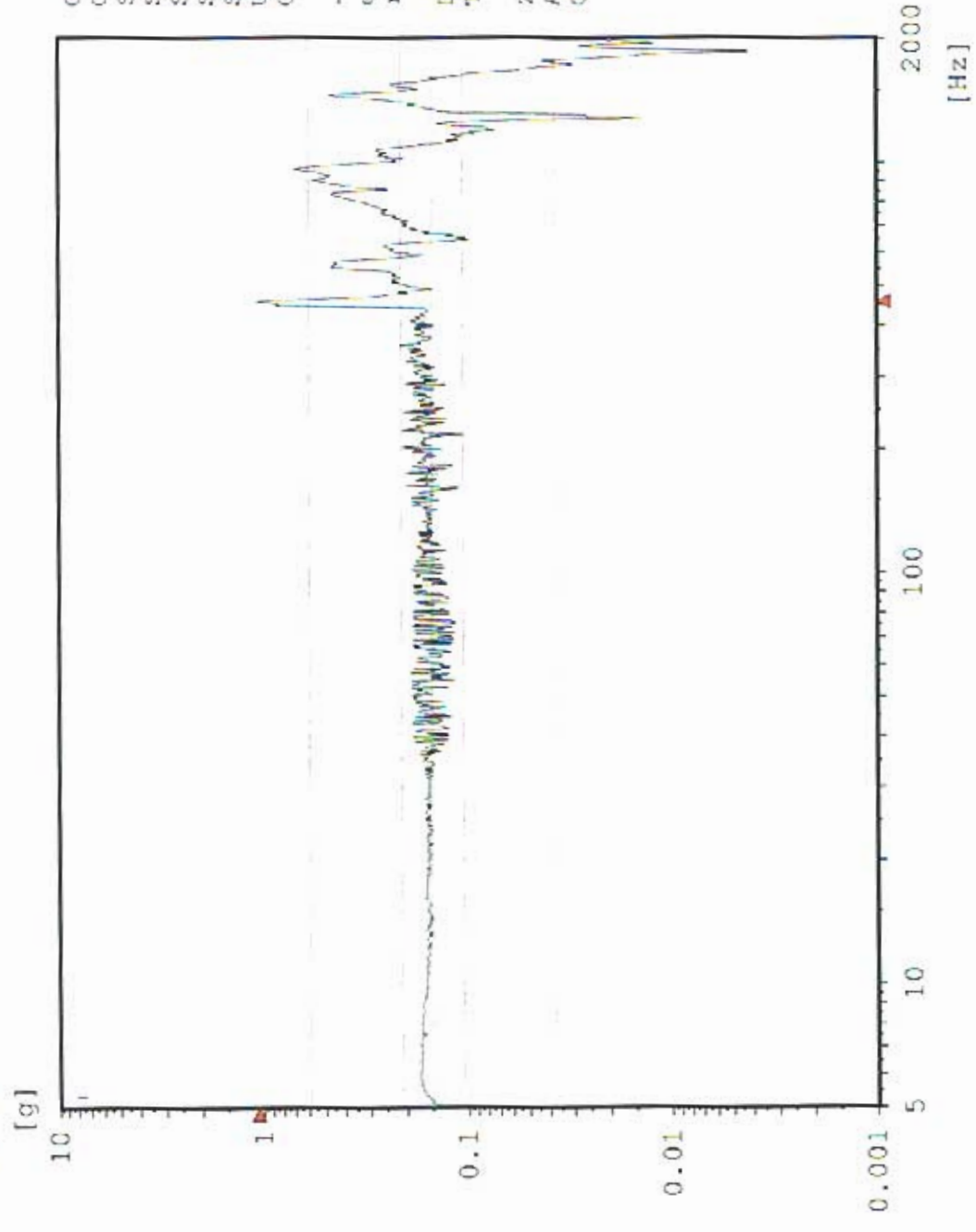
Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 10 M Filtered
Chan.type: Logarithmic
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: 15:44:08

Z - axis Pre Random
Acceptance Unit
GLAT 1837



Random

CZ1 Z-Axis Control

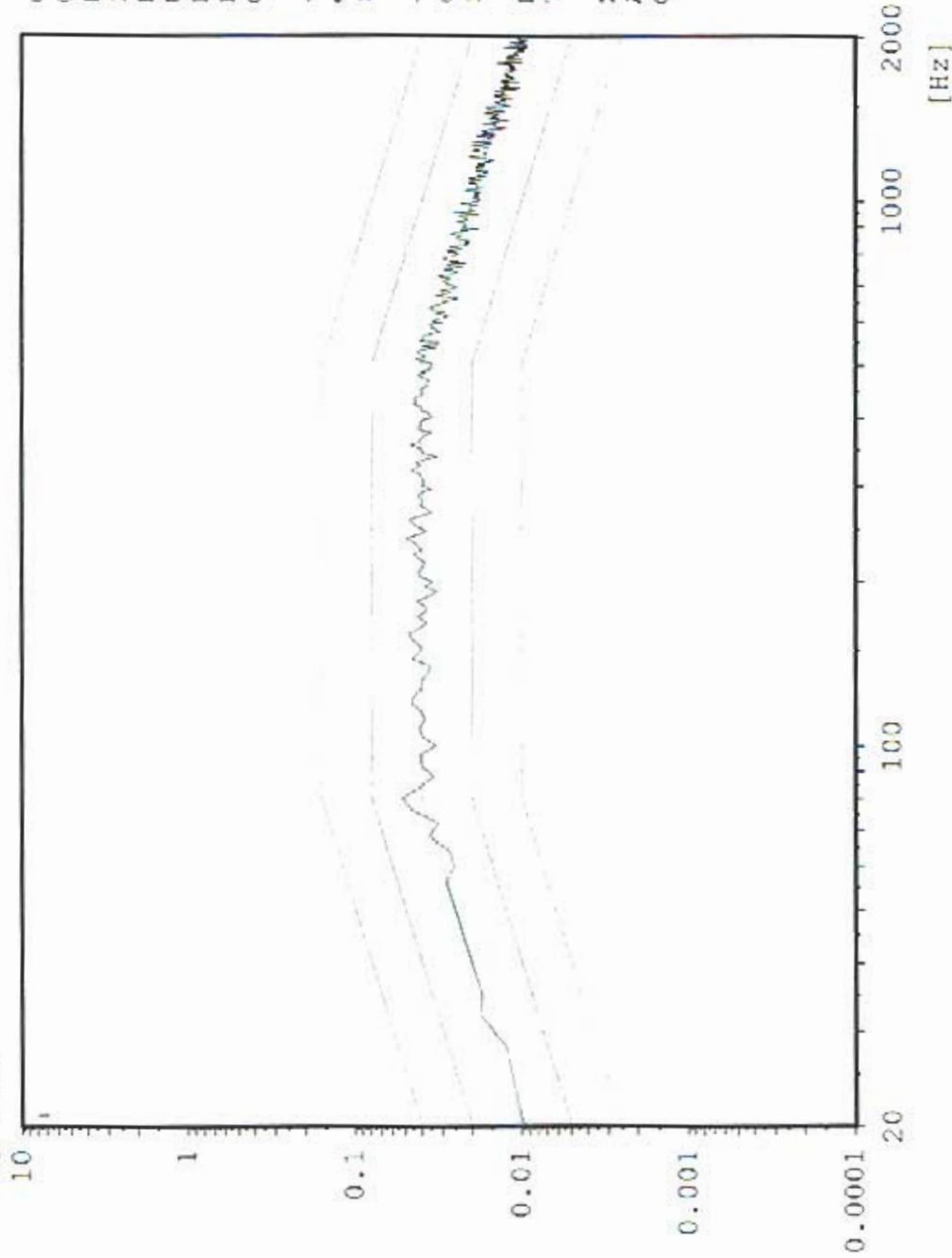
Stanford Linear Accelerator

J/N 49995.52036

TEX & TPS



[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.814 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

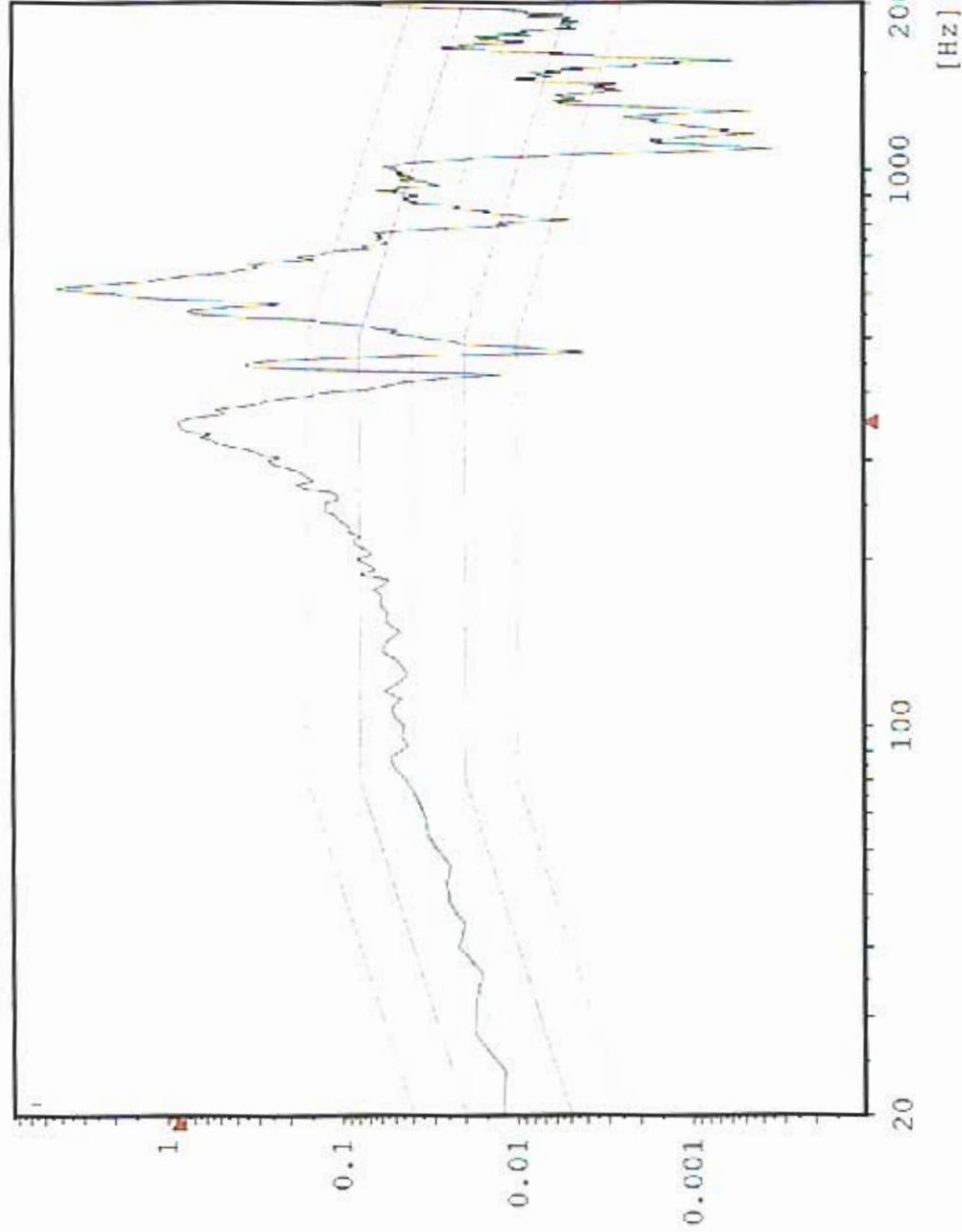
Cursor: 352 Hz 0.8733 g²/Hz

Random AZ4 TPS Boss 2

Stanford Linear Accelerator
#/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 16.47 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

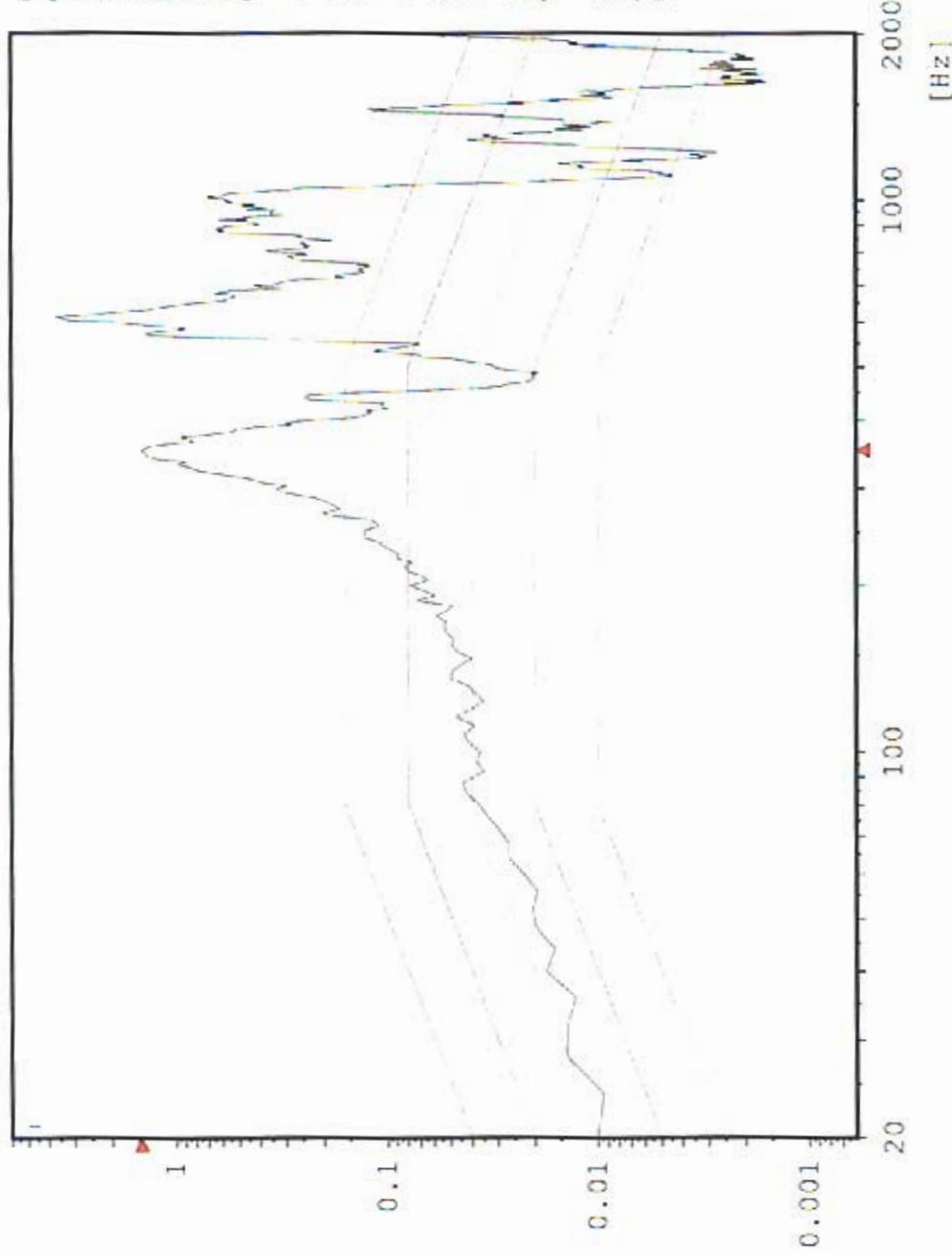
Cursor: 352 Hz 1.468 g'/Hz

Random AZ3 TPS Boss 1

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 3
Chan.type: M
DCF: 100
Level: 6.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 20.96 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

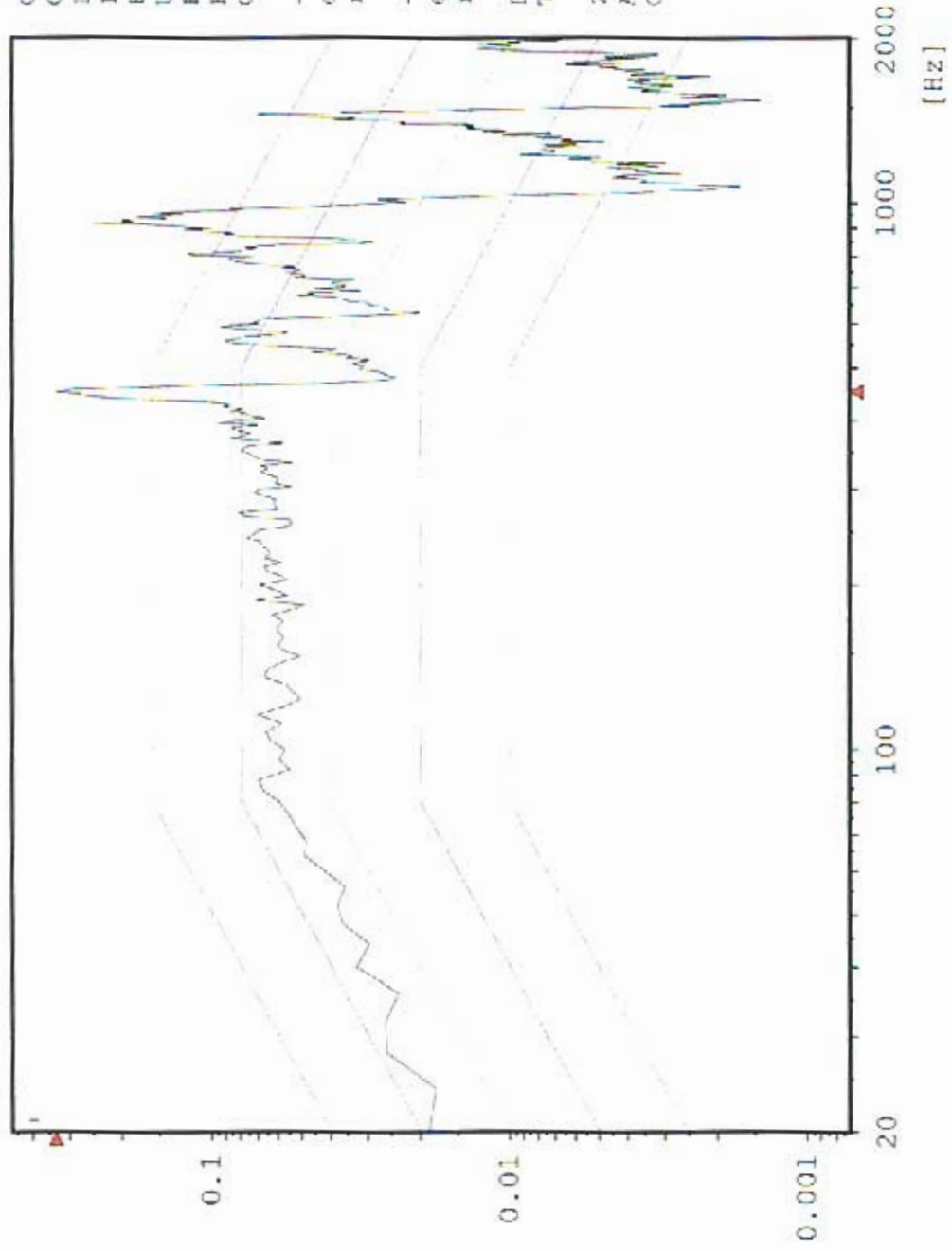
Max: 452 Hz 0.3344 g²/Hz

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: 6.0 dB
 Resolution: 4 Hz
 Unit: g²/Hz
 RMS (act.): 8.858 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: 15:52:24

Z - Axis
 Acceptance Unit
 GLAT 1837

Max: 444 Hz 0.5275 g²/Hz

Random AZ1 TPS Edge Center

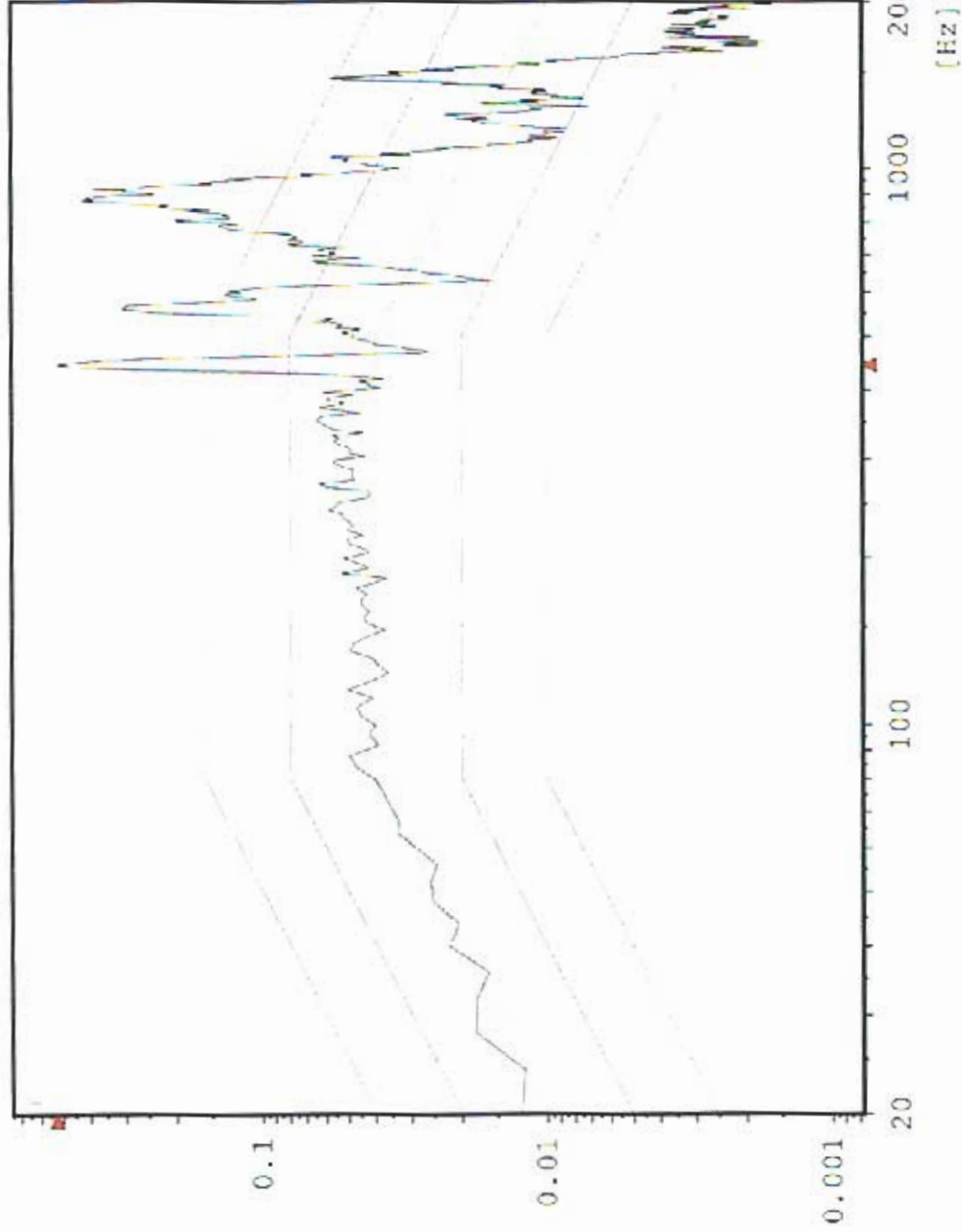
Stanford Linear Accelerator

J/N 49995.52036

TEM & TPS



[g²/Hz]



Chan.no: 6
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.52 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

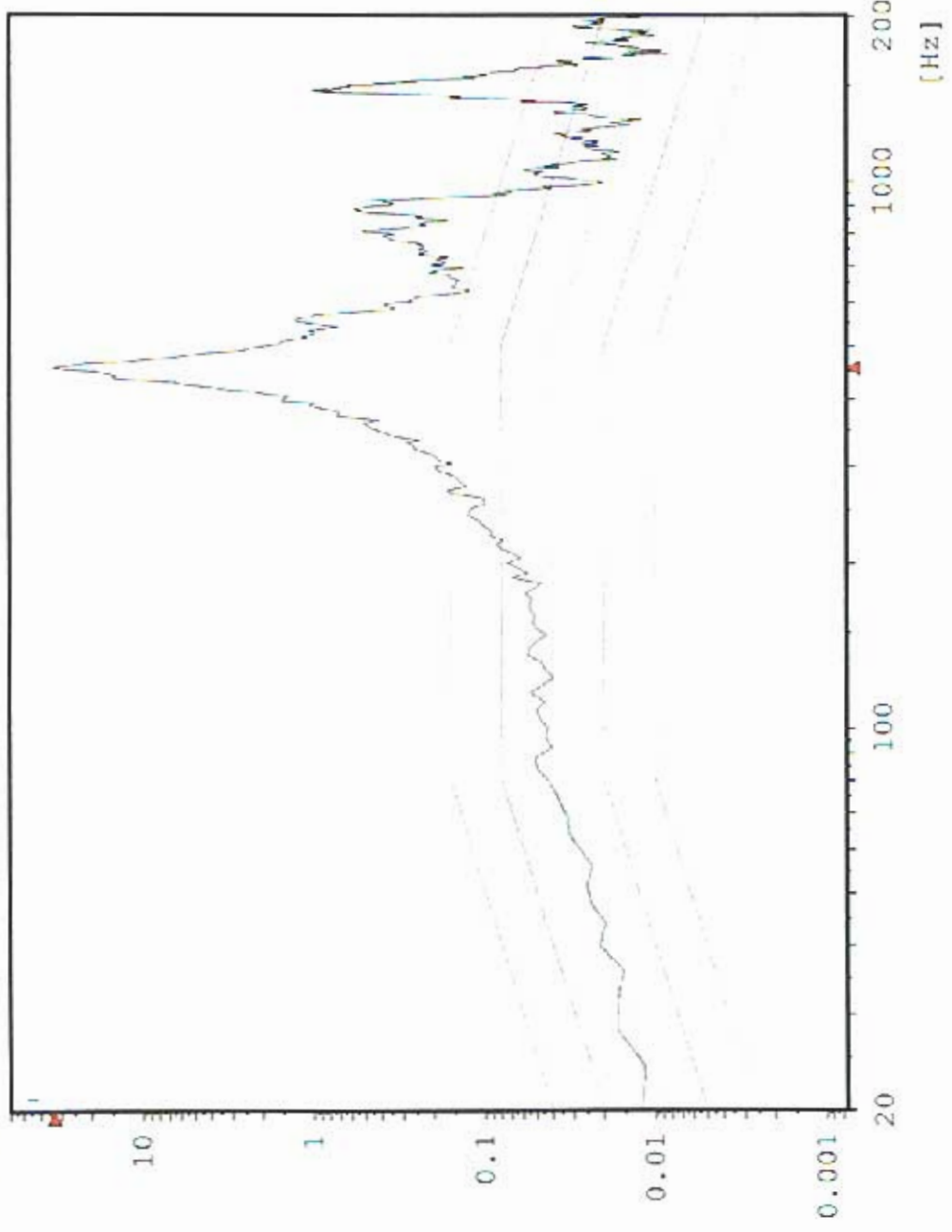
Max: 456 Hz 33.32 g²/Hz

Random AZ6 TEM Bottom Center

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 8
Chan.type: M
DCF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 37.17 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

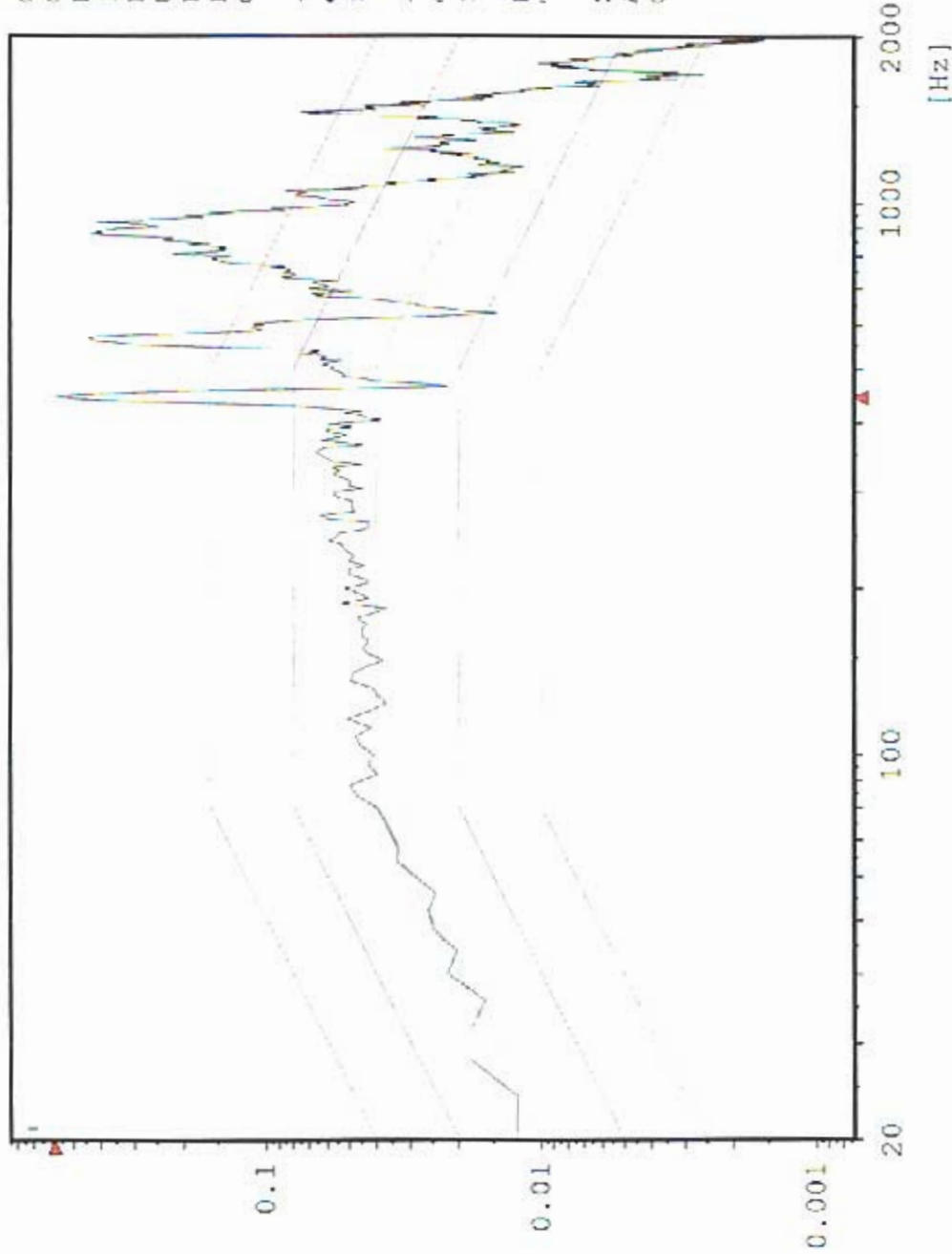
Max: 444 Hz 0.5871 g²/Hz

Random AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.52036
TEM & TPS



[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 11.12 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: 15:52:24

Z - Axis
Acceptance Unit
GLAT 1837

Sine CZ1 Z-Axis Control

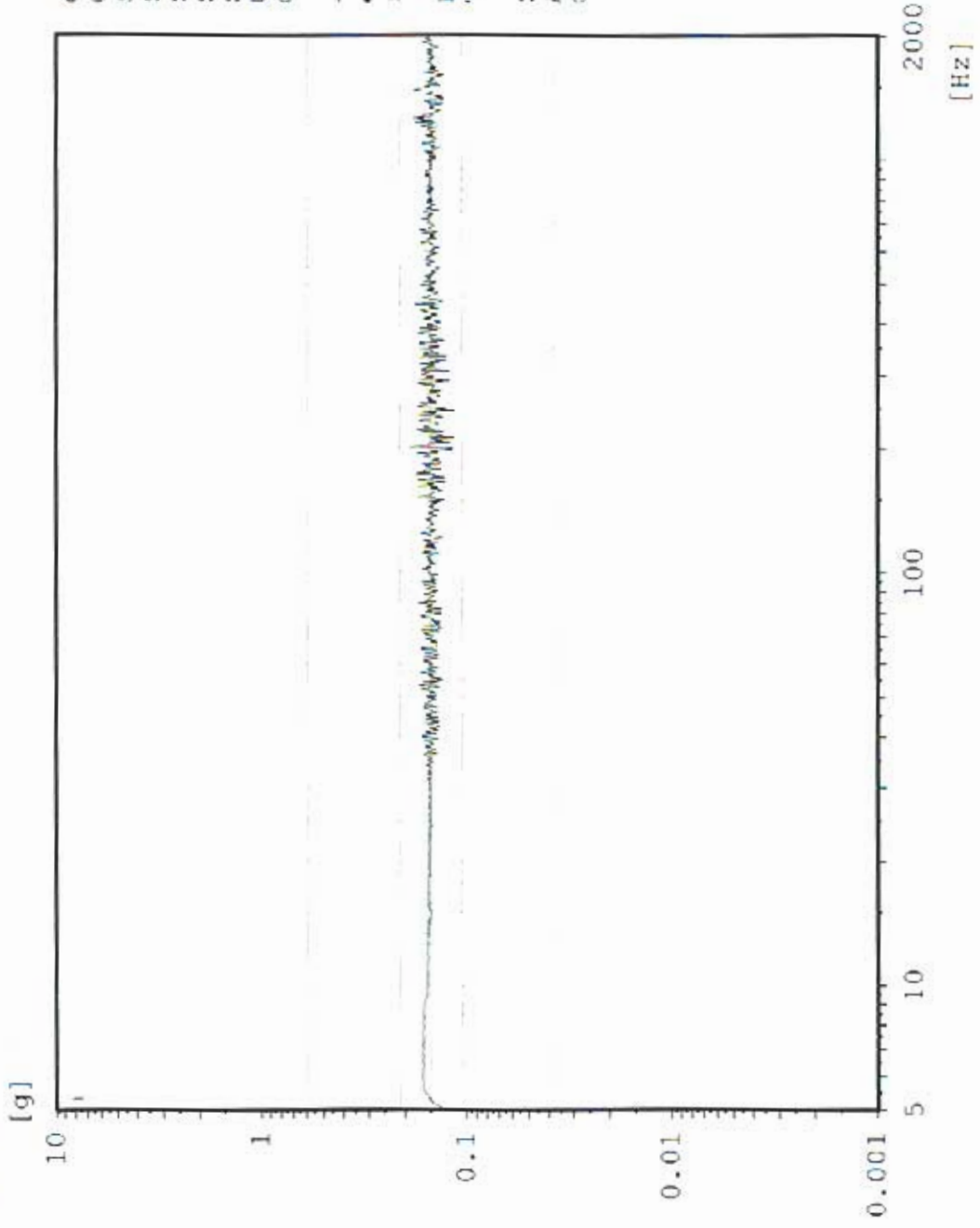
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



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

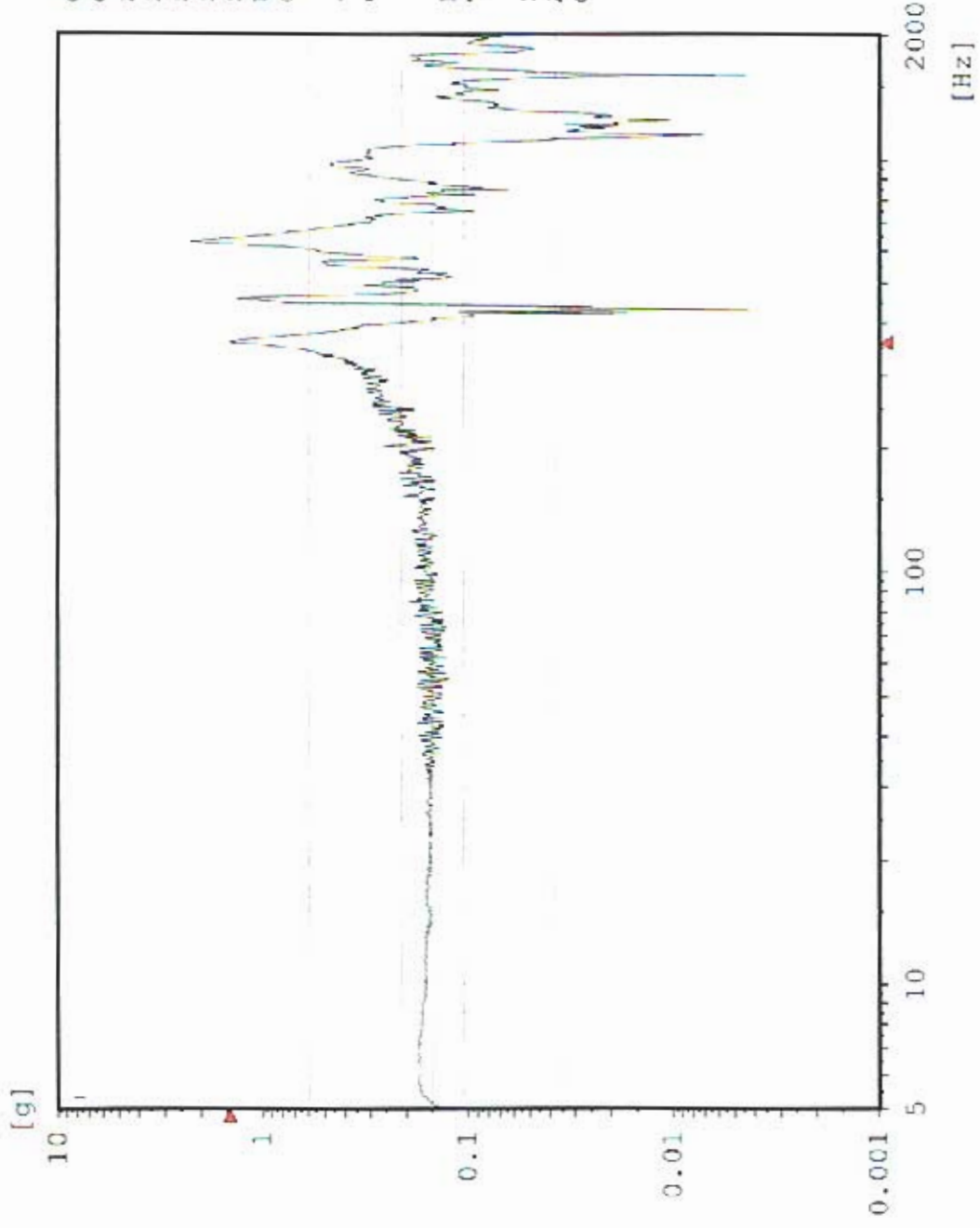
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00
Date: 06-13-05
Time: 16:01:46

Z - axis Post Random
Acceptance Unit
GLAT 1837



AZ4 TPS Boss 2

Sine
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

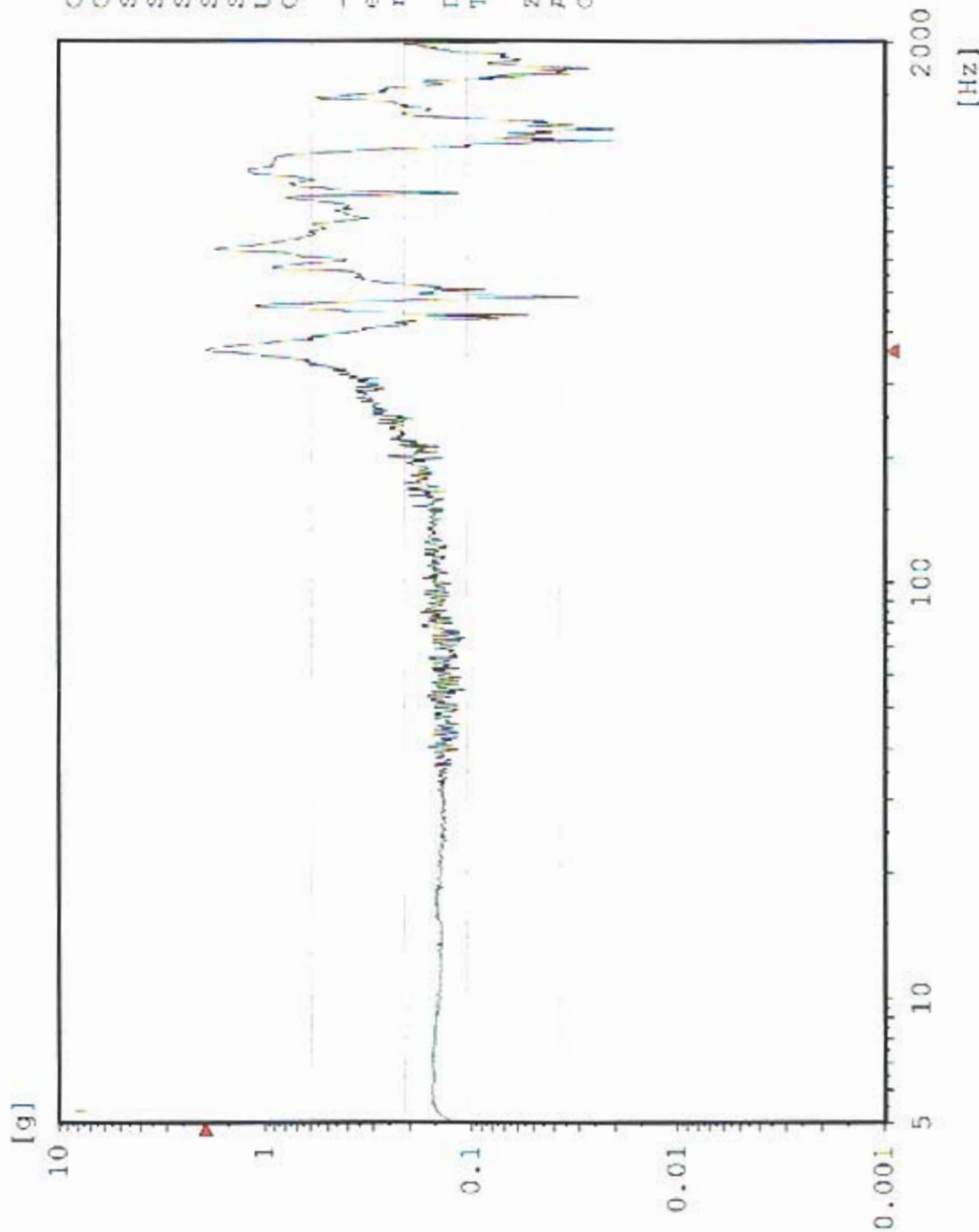
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 06-13-05
 Time: 16:01:46

Z - axis Post Random
 Acceptance Unit
 GLAT 1837

Sine AZ3 TPS Boss 1

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.: Closed loop

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

Date: 06-13-05
 Time: 16:01:46

Z - axis Post Random
 Acceptance Unit
 GLAT 1837

Sine AZ5 TEM Bottom Edge

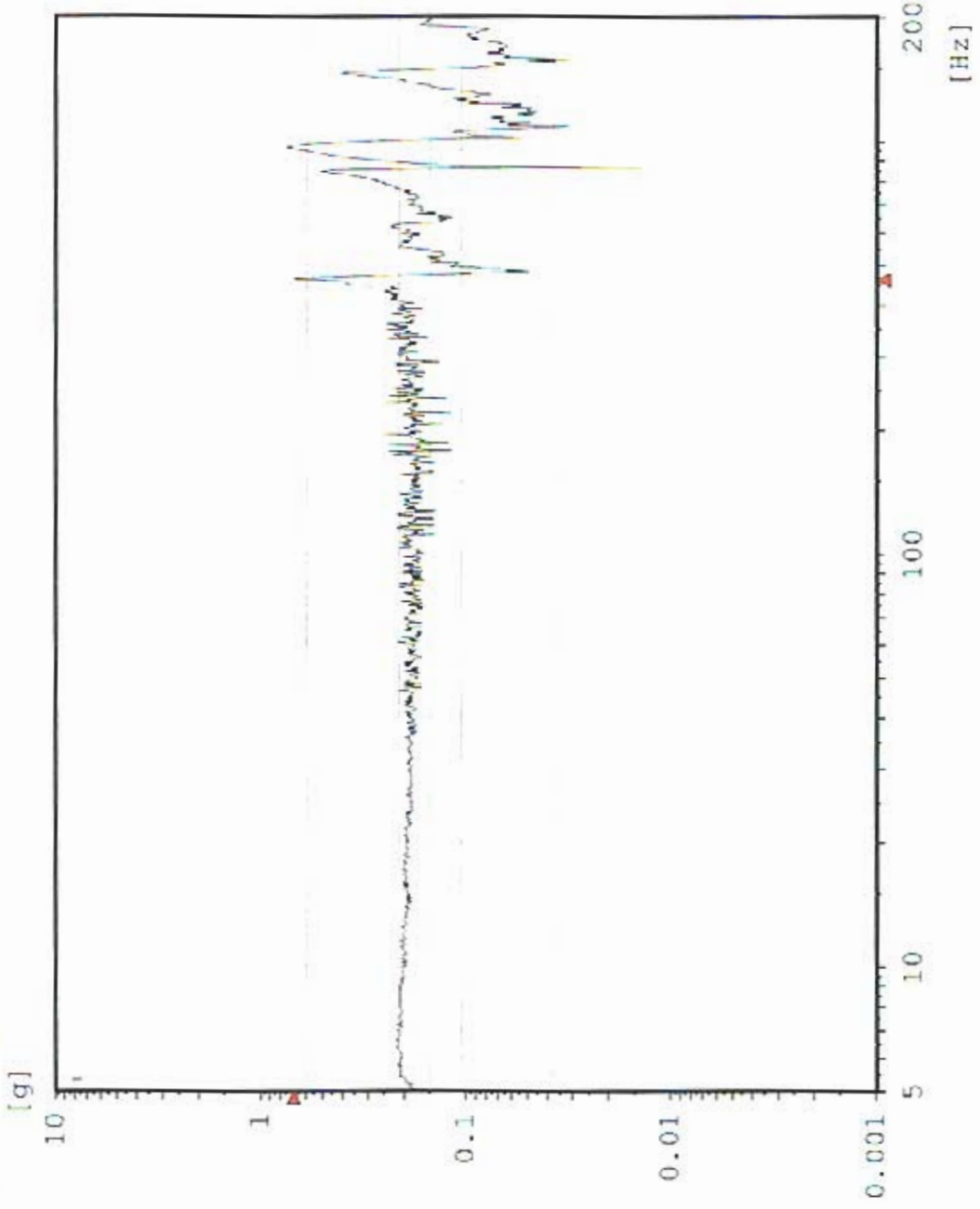
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS



Chan.no: 5 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: 16:01:46

Z - axis Post Random
 Acceptance Unit
 GLAT 1837



Sine AZ1 TPS Edge Center

Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

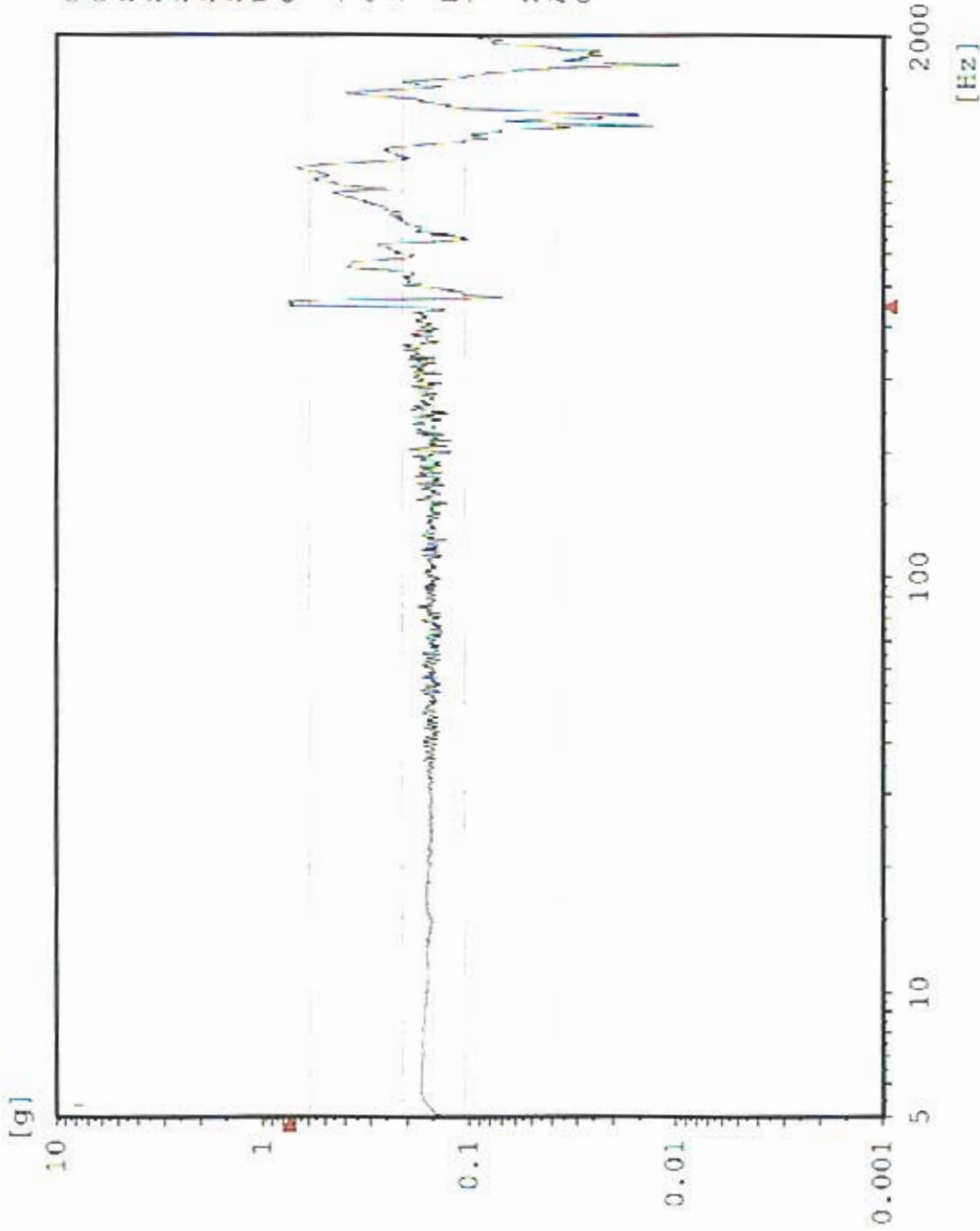


Chan.no: 6
Chan.type: M Filtered
Sweep type: logarithmic
Sweeps done: 1
Sweeps req.: 1
Sweep direct.: up
Sweep rate: 2.00 Oct/min
Unit: g
Contr.strat.: Closed loop

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

Date: 06-13-05
Time: 16:01:46

Z - axis Post Random
Acceptance Unit
GLAT 1837



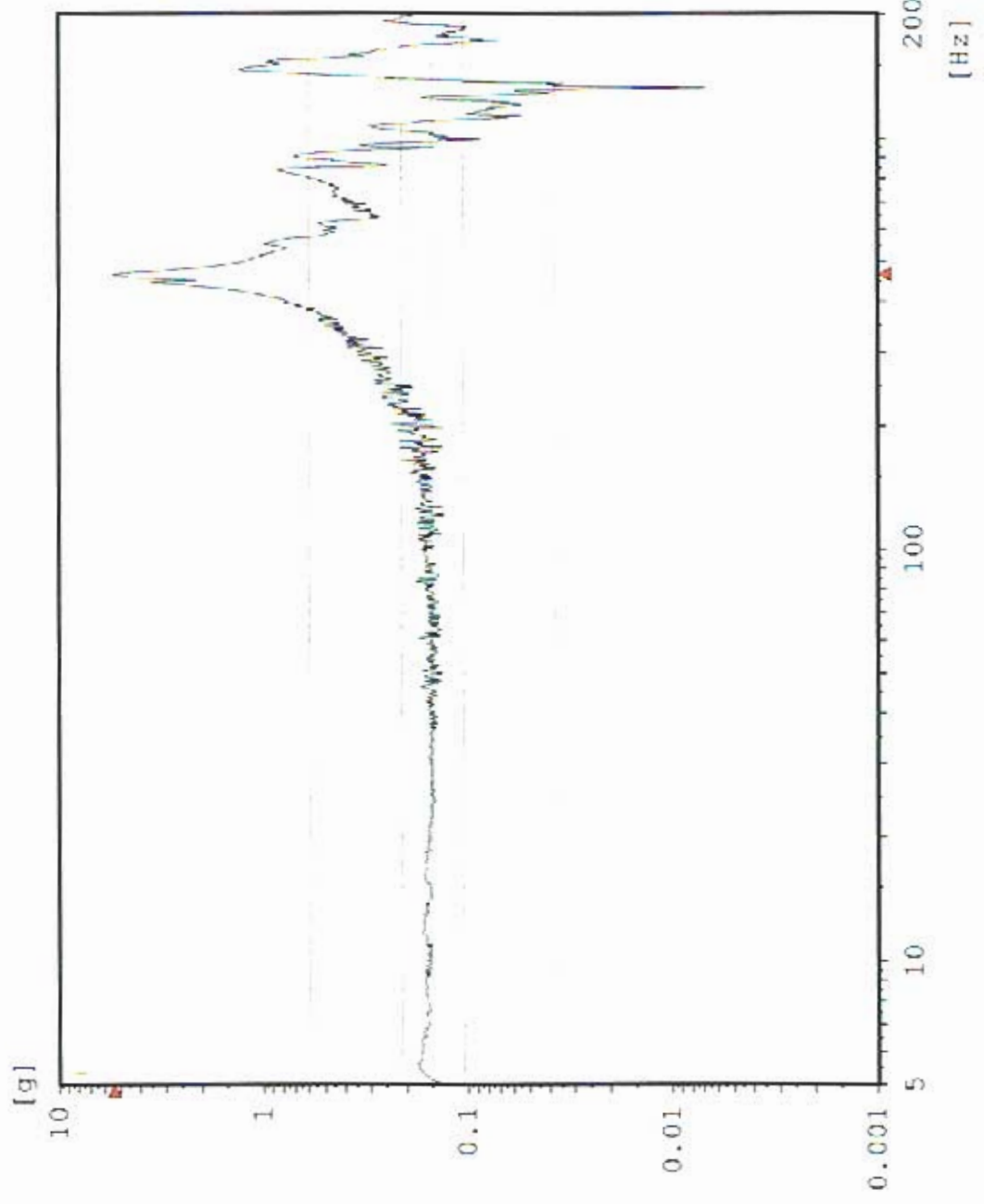
Sine AZ6 TEM Bottom Center

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: 16:01:46
Z - axis Post Random
Acceptance Unit
GLAT 1837



Max: 457.1 Hz 1.14 g

AZ2 TPS Corner

Sine
Stanford Linear Accelerator
J/N 49995.52036
TEM / TPS

