



SHIP TO

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

SHIPPING
MEMORANDUM

NUMBER

122327

DATE

5/25/05

VIA

U.S. MAIL

ATTN: DAVID TARKINGTON

SHIP FROM

~~4000 BROADWAY AVE~~
~~4000 BROADWAY AVE~~
~~4000 BROADWAY AVE~~

5452 BETSY ROSS DRIVE
SANTA CLARA, CA 95054
408/764-5500

CUSTOMER ORDER NO.

56030

JOB NUMBER

49995.52000

PARTIAL



COMPLETE



OUR P.O. NO.

ITEM NO	QUANTITY	DESCRIPTION
1	1 SET	<p>ORIGINAL TEST DATA ON AS FOLLOWS:</p> <p>2 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

6/10/05

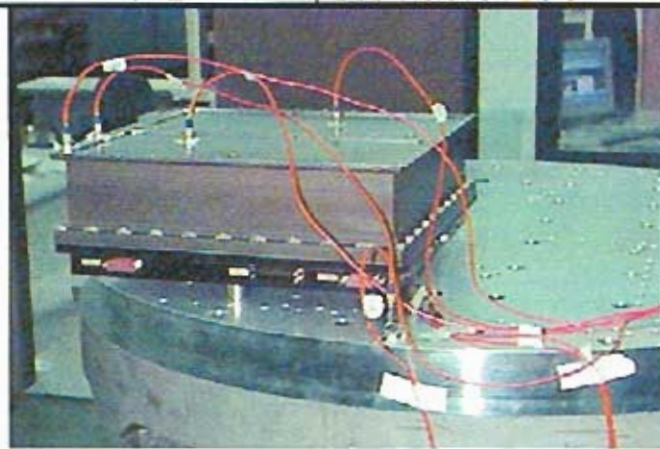
NAME

JACK O. EAGAN

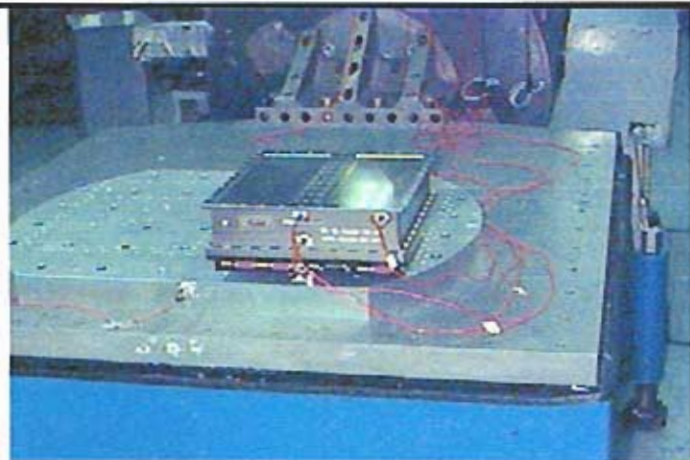
F 413-06 (10/01)

TEST DATA

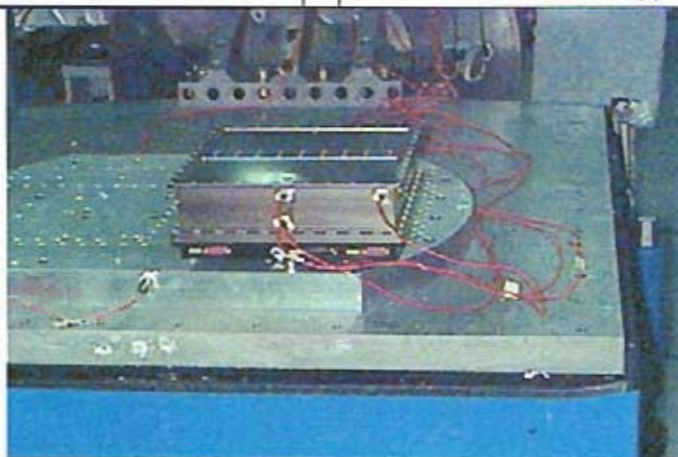
DATE STARTED 05-24-05	CUSTOMER Stanford Linear Accelerator	TECHNICIAN (SIGNATURE) <i>D. Wiltshire</i> T-21
DATE COMPLETED 05-24-05	SPECIMEN DESCRIPTION TEM & TPS { See Initial Visual }	ENGINEER (SIGNATURE) <i>Sime Cluskey</i>
TEMPERATURE 73°F	TYPE OF TEST SET-UP - Detail	ENGINEER <i>Sime Cluskey</i>
HUMIDITY 36% R.H.	MANUFACTURER Stanford Linear Accelerator	JOB NUMBER 49995.52000
SPECIMEN NUMBER 1 - 2	TEST SPECIFICATION See Vibration Data	



Z - Axis



X - Axis



Y - Axis



DATE STARTED 05-24-05	CUSTOMER Stanford Linear Accelerator		TECHNICIAN (SIGNATURE) <i>D. Williams</i>	
DATE COMPLETED 05-24-05	SPECIMEN DESCRIPTION TEM / TPS { See Initial Visual }		ENGINEER (SIGNATURE) <i>Sime Chusey</i>	
TEMPERATURE 74°F	TYPE OF TEST VIBRATION - Sine and Random - Non-Op.		ENGINEER <i>Sime Chusey</i>	
HUMIDITY 35% R.H.	MANUFACTURER Stanford Linear Accelerator		JOB NUMBER 49995.52000	
SPECIMEN NUMBER 1 & 2	TEST SPECIFICATION SLAC LAT-TD-05649 & Customer Instruction			

SPECIMEN NUMBER	DATE	AXIS	TIME START	TIME STOP	VIBRATION FREQUENCIES AND LEVELS	REMARKS
-	05-24-05	X	1045	+0:01:00	Sine - Search	Random Accept.; Fixture Only
-		X	1052	+0:04:18	20 - 2000Hz @ 0.15g 2 octaves / minute 1 sweep up / axis	Sine Search; Fixture Only
1		X	1122	+0:04:18		Sine Search
		X	1137	+0:01:00	Random - Accept.	Random Accept.
		X	1144	+0:04:18	20Hz @ 0.01 G ² /Hz 80 - 500Hz @ 0.04 G ² /Hz 2000Hz @ 0.01 G ² /Hz	Sine Search
		Y	1214	+0:04:18	6.79 Grms overall 1 minute / axis	Sine Search
		Y	1226	+0:01:00		Random Accept.
1		Y	1231	+0:04:18		Sine Search
2		X	1412	+0:04:18		Sine Search
		X	1423	+0:01:00		Random Accept.
		X	1429	+0:04:18		Sine Search
		X	1450	+0:04:18		Sine Search
		X	1501	+0:01:00		Random Accept.
2	05-24-05	X	1507	+0:04:18		Sine Search

F 413-06 (10/01)

CX1 X-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

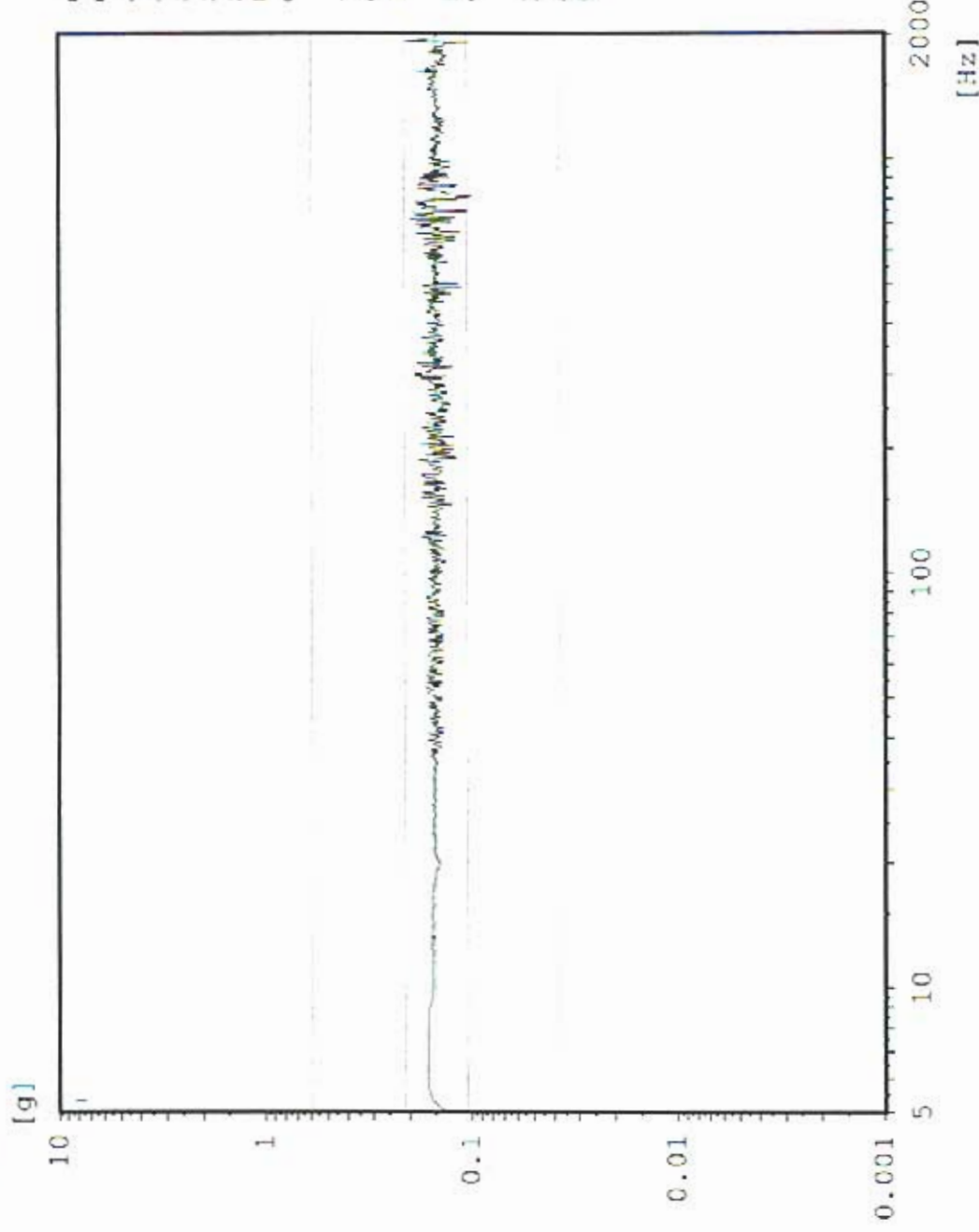
wyle
laboratories

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: 05-24-05
Time: 14:17:15

X - axis Pre Random
Acceptance Unit
GLAT 1831



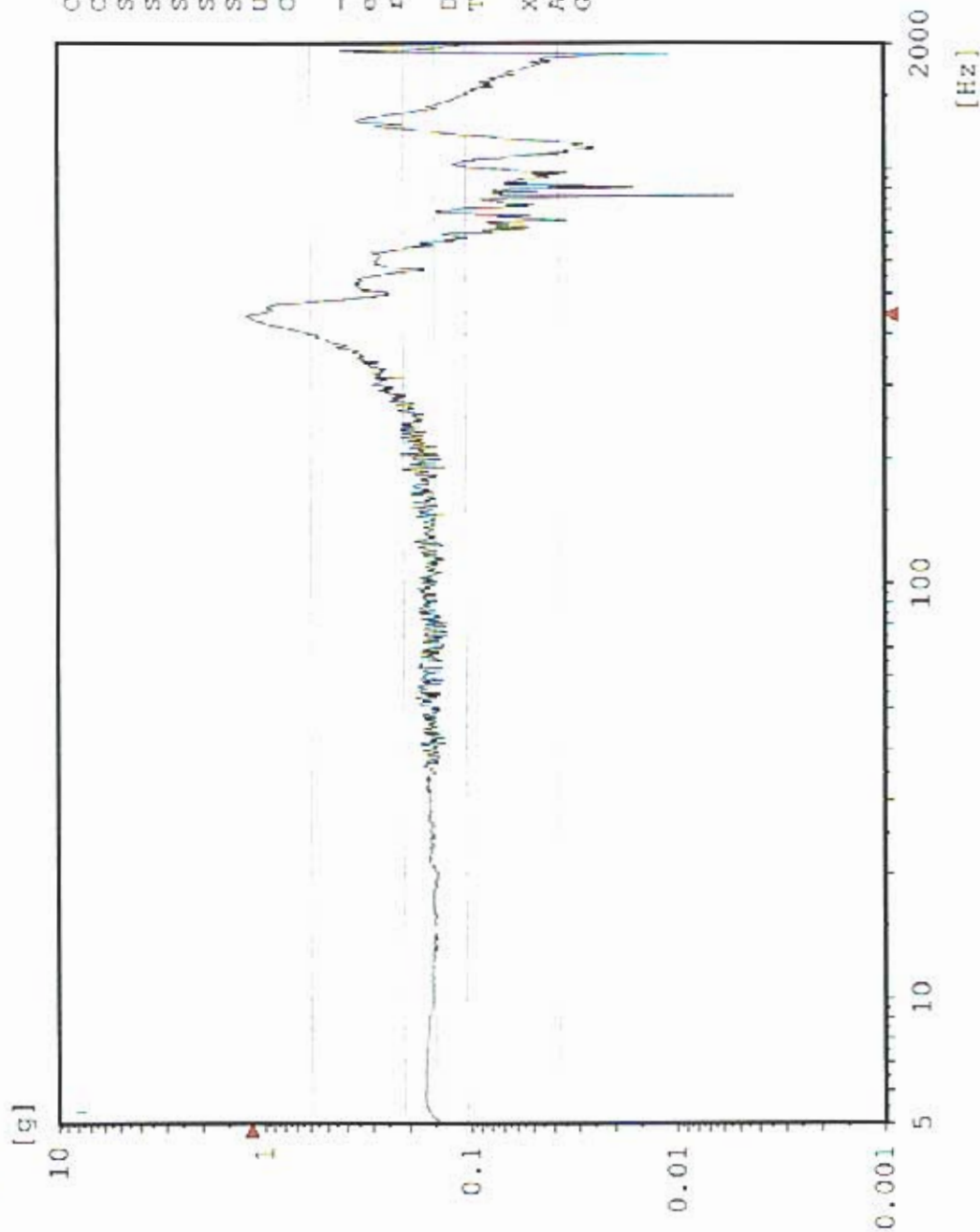
AX3 TPS top center

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories

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

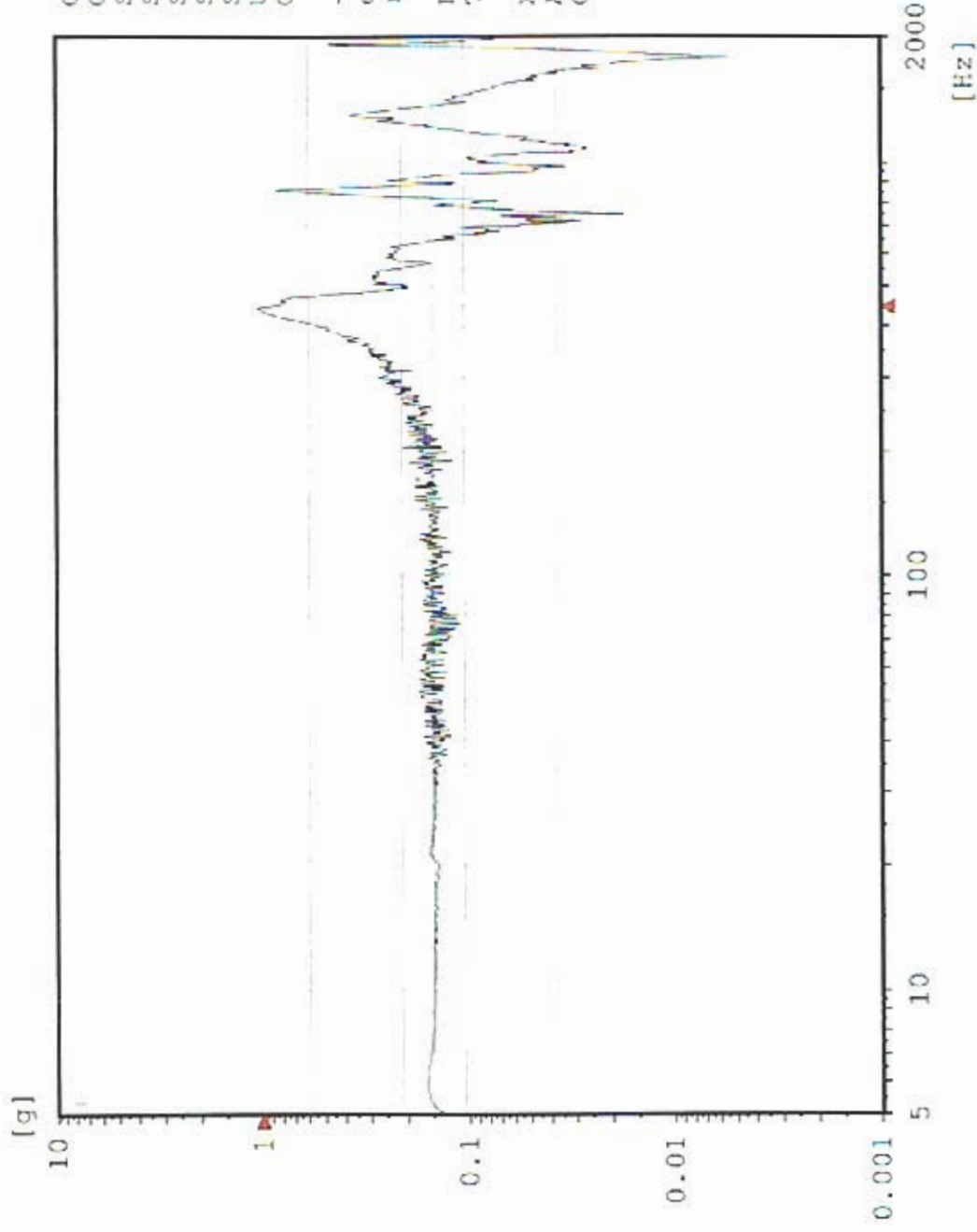
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-24-05
Time: 14:17:15

X - axis Pre Random
Acceptance Unit
GLAT 1831

AX4 TPS top edge

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: 05-24-05
Time: 14:17:15

X - axis Pre Random
Acceptance Unit
GLAT 1831

Sine AX1 TEM center edge

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

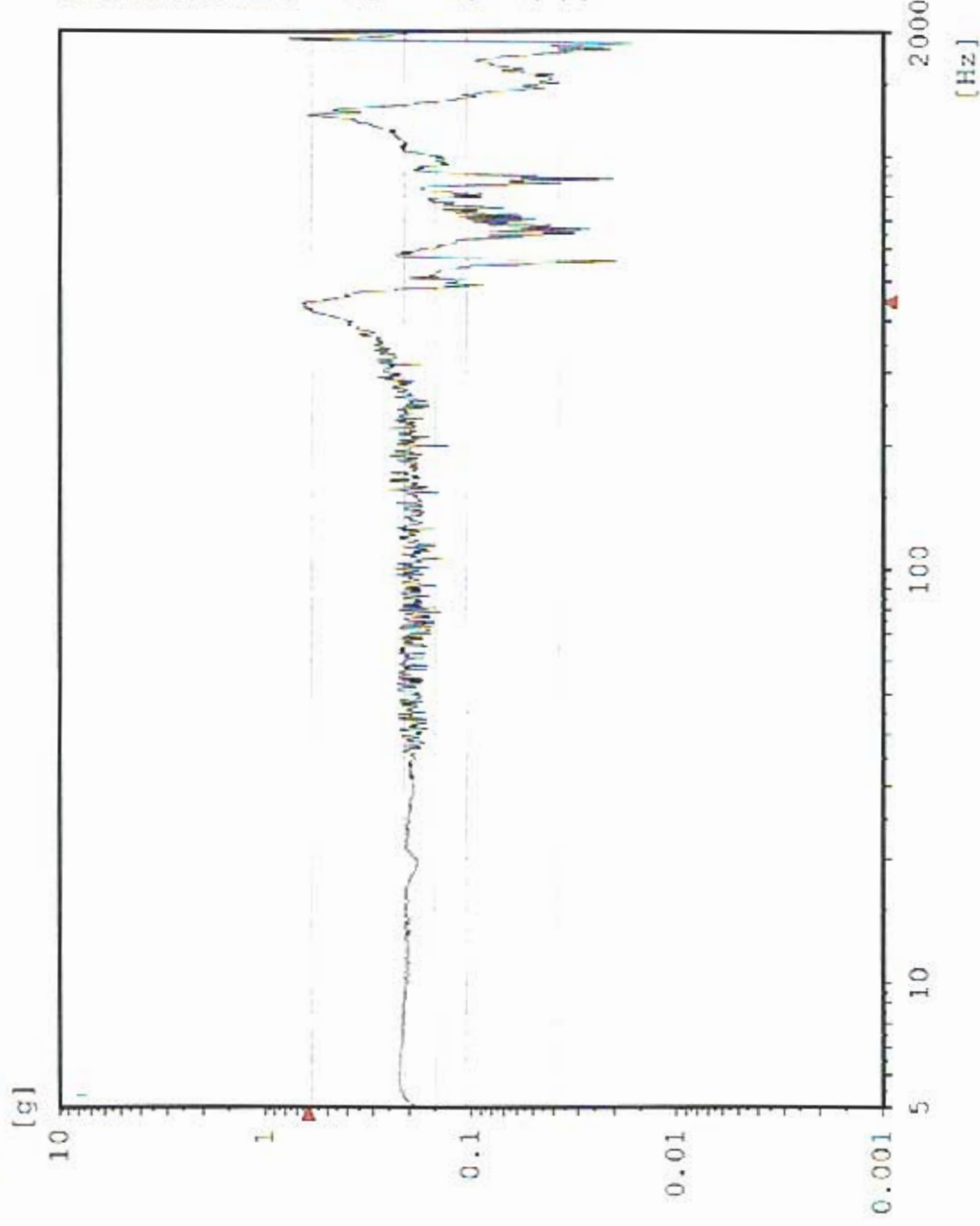


Chan.no: 5
 Chan.type: M Filtered
 Sweep type: logarithmic
 Sweeps done: 1
 Sweeps req.: 1
 Sweep direct.: up
 Sweep rate: 2.00 Oct/min
 Unit: g
 Contr.strat.: Closed loop

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

Date: 05-24-05
 Time: 14:17:15

X - axis Pre Random
 Acceptance Unit
 GLAT 1831



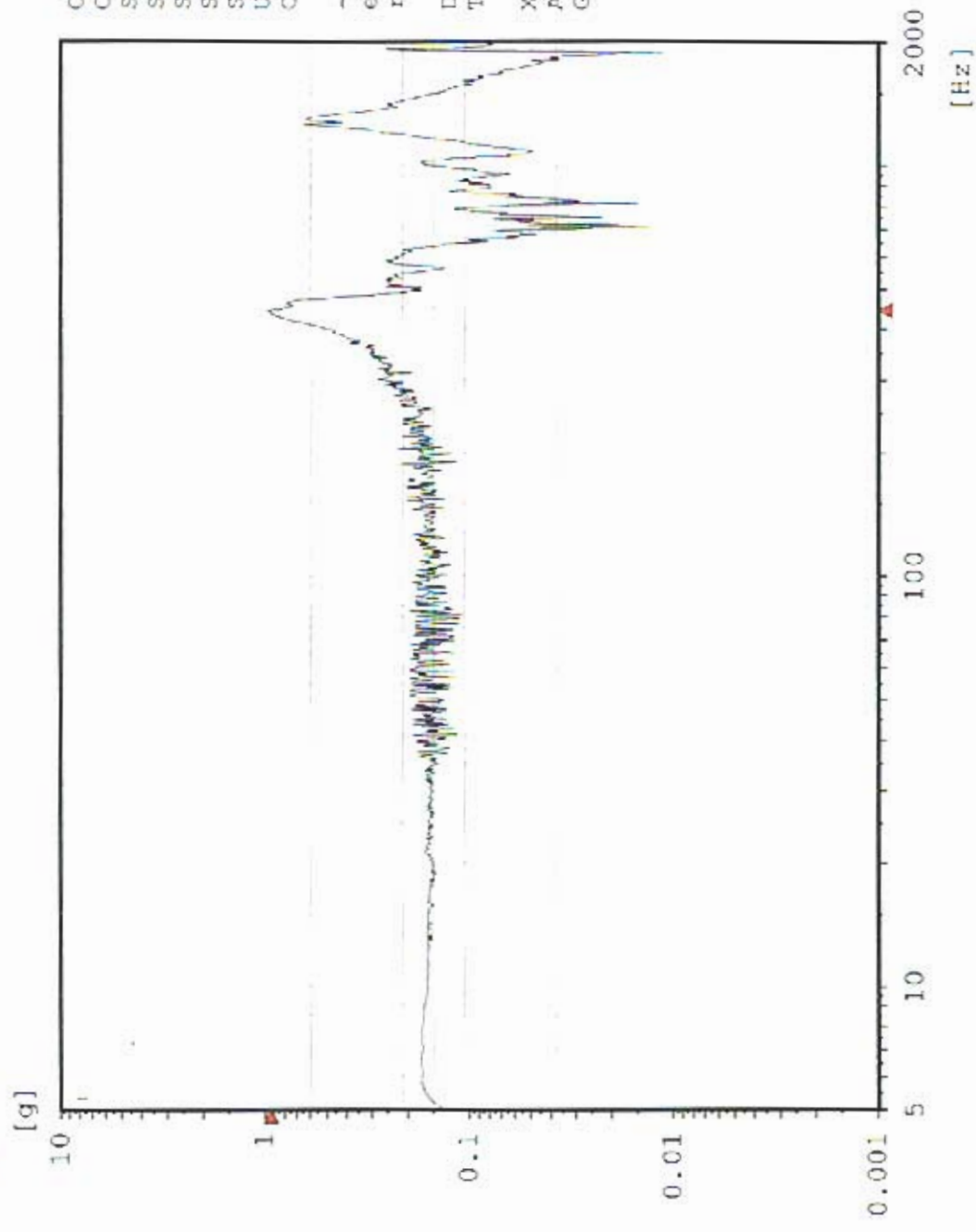
AX2 TPS CG

Sine

Stanford Linear Accelerator

J/N 49995.52000

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: 05-24-05
Time: 14:17:15

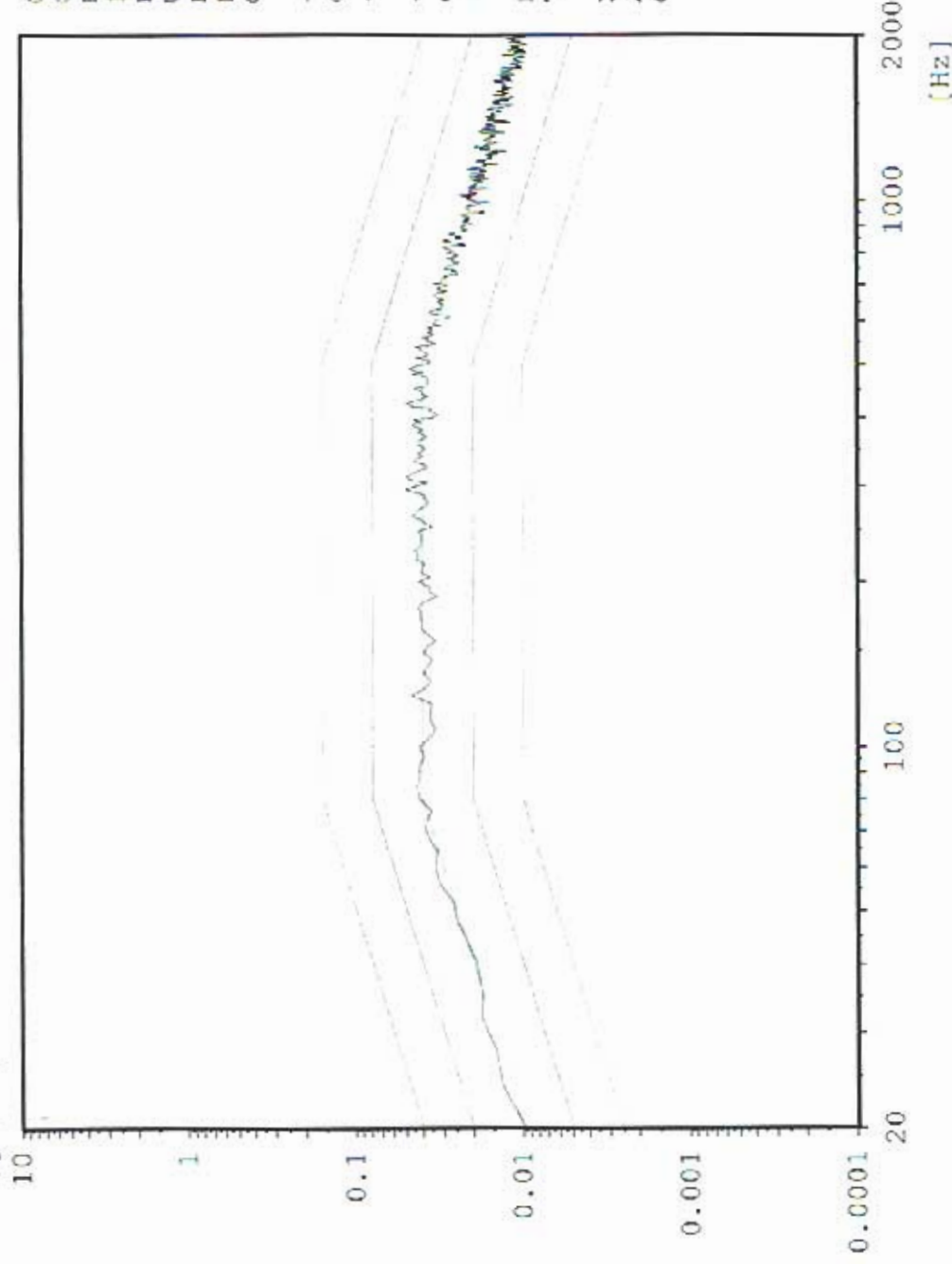
X - axis Pre Random
Acceptance Unit
GLAT 1831

CX1 X-Axis Control

Random
Stanford Linear Accelerator
J/N 49995.52000
TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.845 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: 05-24-05
Time: 14:24:38

X - Axis
Acceptance Unit
GLAT 1831

Cursor: 416 Hz 1.742 g²/Hz

Random AX4 TPS Top Center

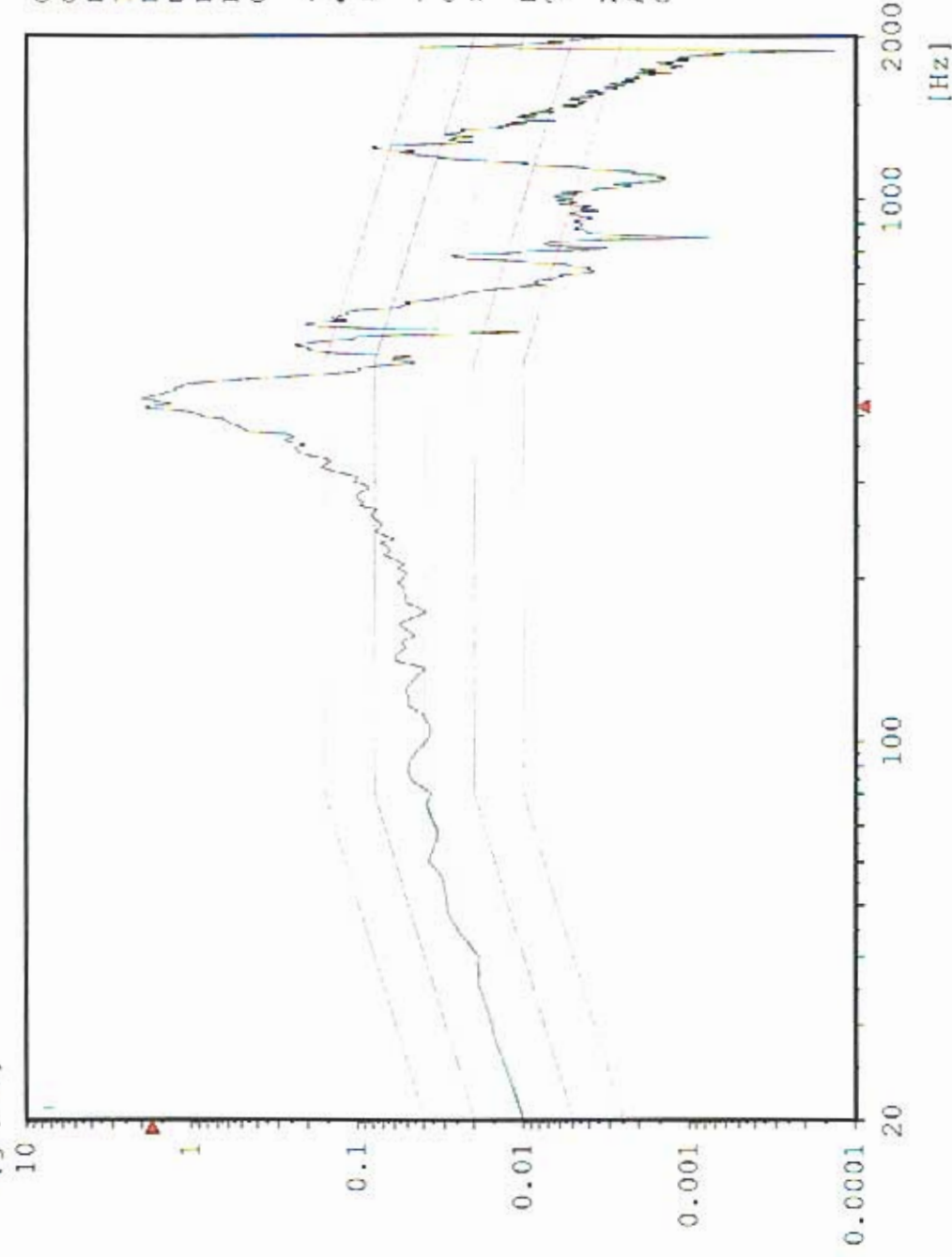
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 13.09 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: 05-24-05
Time: 14:24:38

X - Axis
Acceptance Unit
GLAT 1831

Cursor: 416 Hz 1.276 g²/Hz

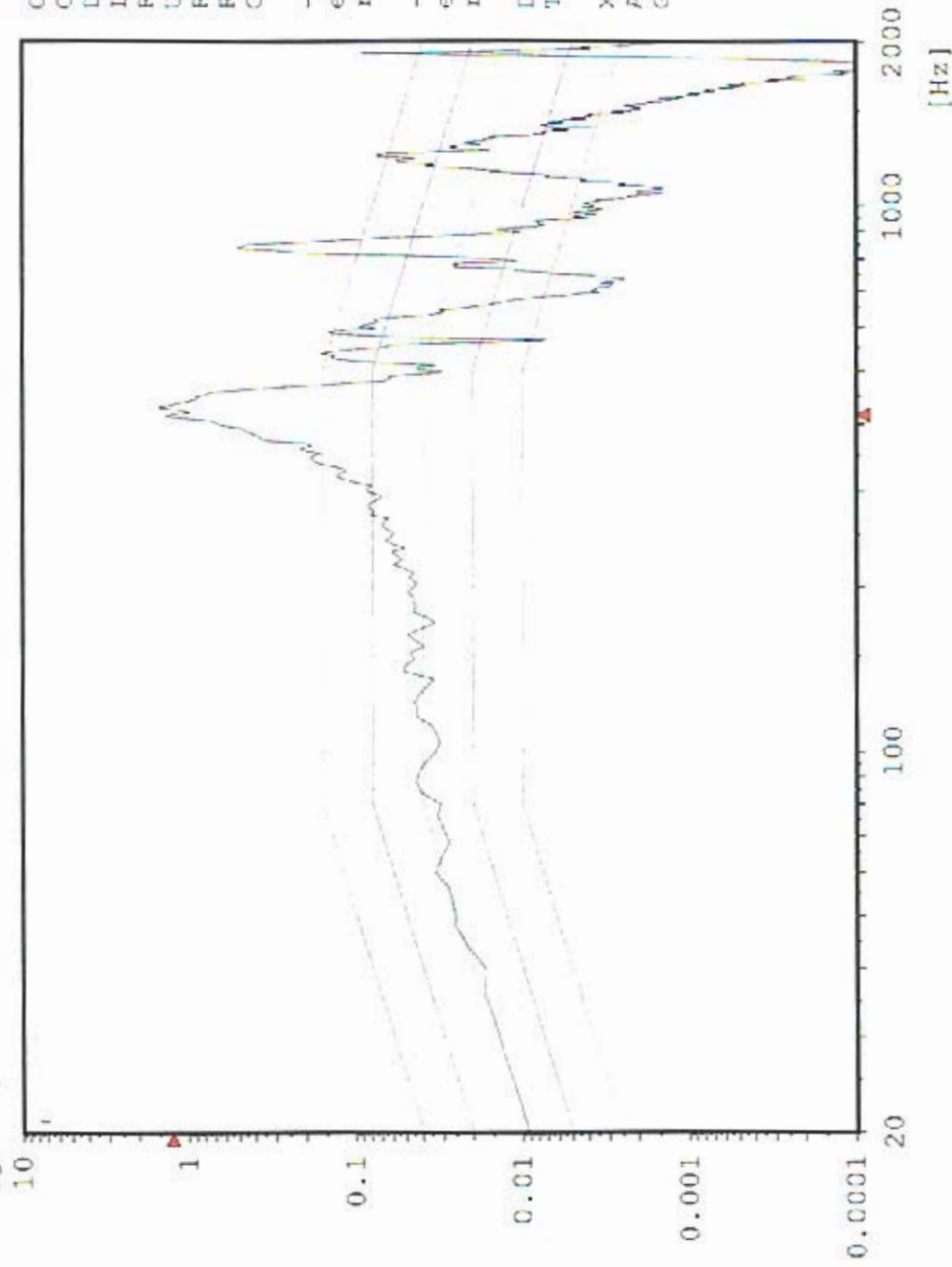
Random AX3 TPS Top Edge

Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

[g²/Hz]



wyle
Instruments

Chan.no: 3
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 12.12 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: 000:02:55
remaining: 000:00:00

Date: 05-24-05
Time: 14:24:38

X - Axis
Acceptance Unit
GLAT 1831

Cursor: 416 Hz 0.5929 g²/Hz

Random CH# 5 TEM center edge

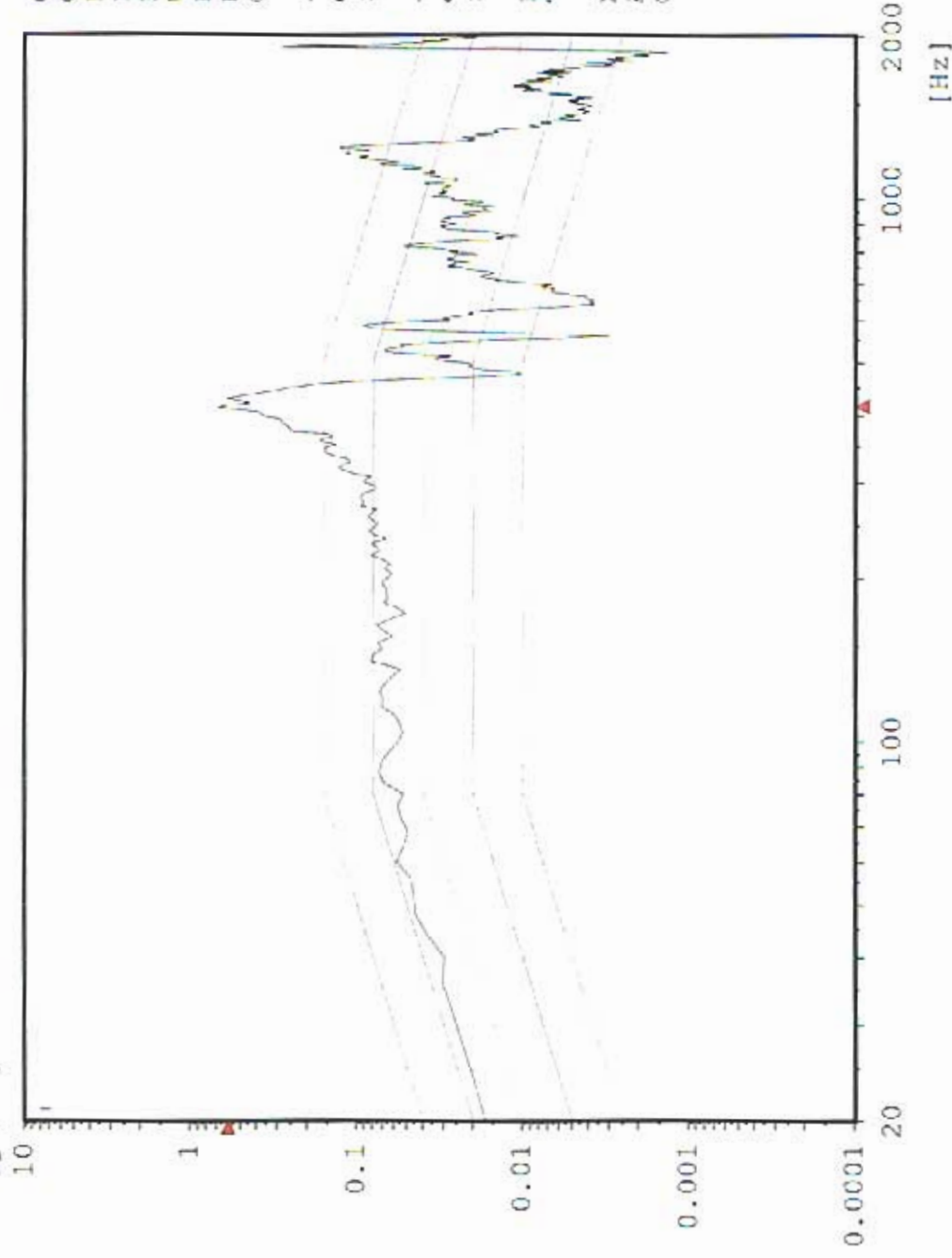
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 5 M
Chan.type: 100
DOF: 0.0 dB
Level: 4 Hz
Resolution: g²/Hz
Unit: 10.05 g
RMS (act.): 5.787 g
RMS (req.): Closed loop
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: 05-24-05
Time: 14:24:38

X - Axis
Acceptance Unit
GLAT 1831

Cursor: 416 Hz 1.097 g²/Hz

Random AX2 TPS Bottom center

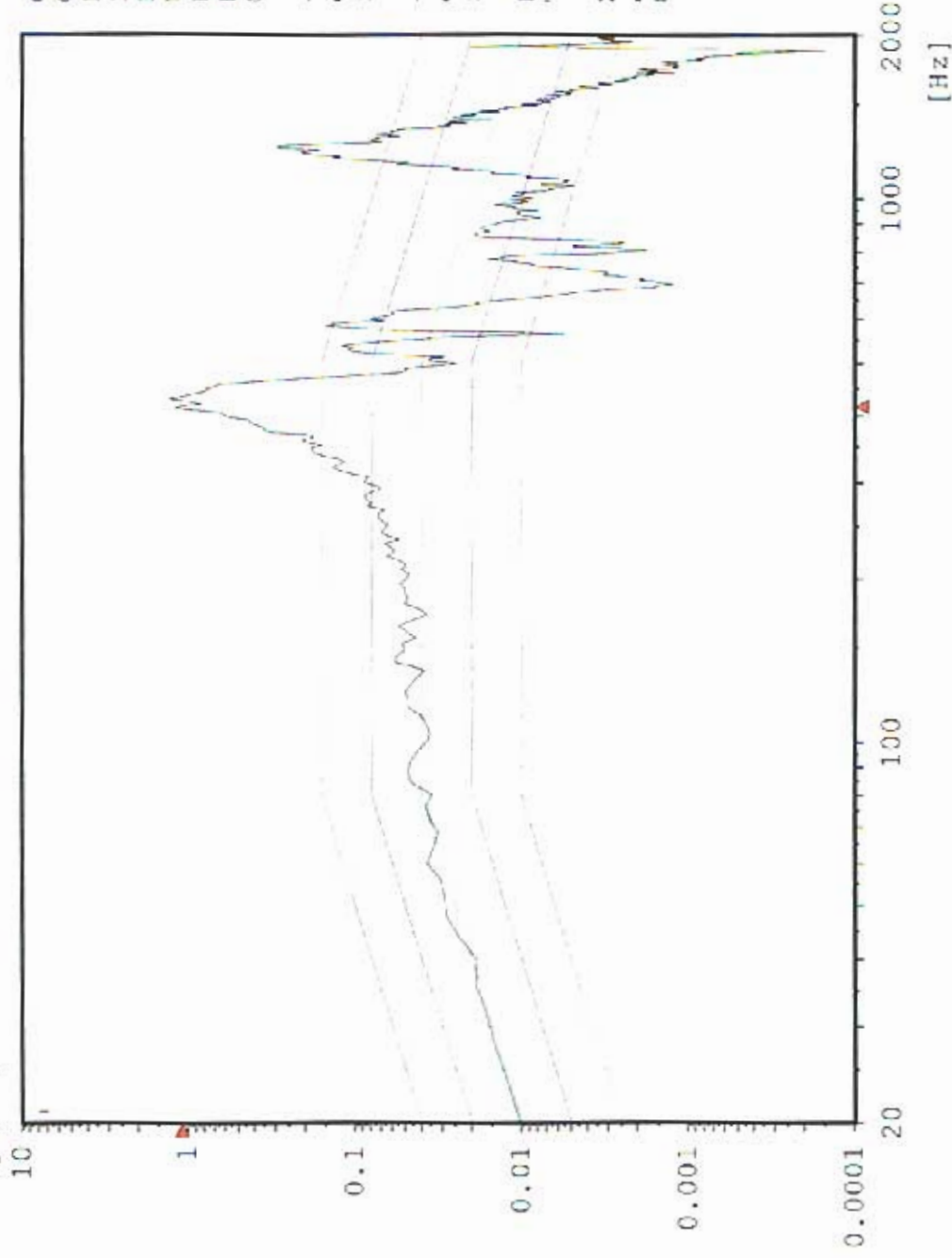
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 11.71 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: 05-24-05
Time: 14:24:38

X - Axis
Acceptance Unit
GLAT 1831

Sine

CX1 X-Axis Control

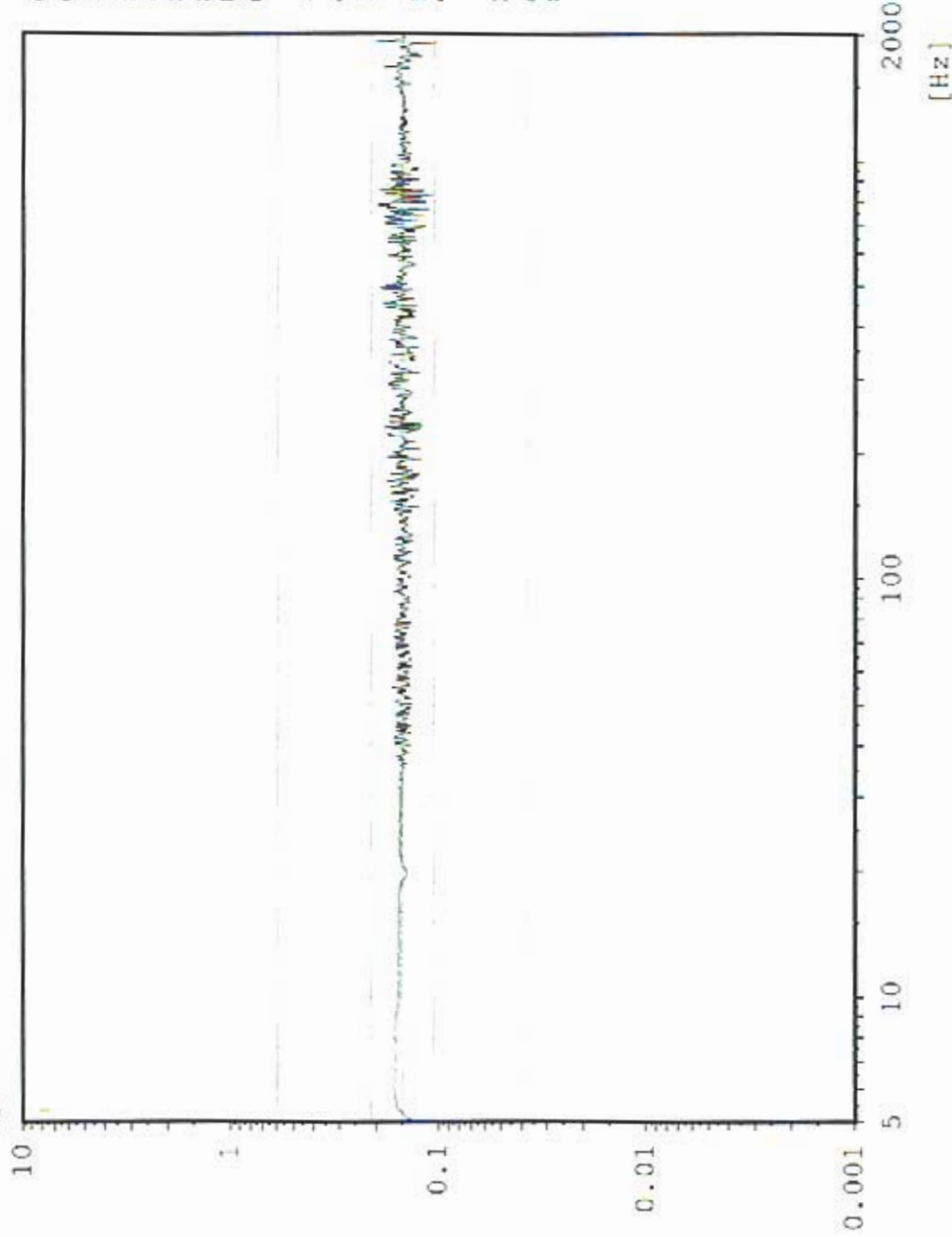
Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories

[g]



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: 05-24-05
Time: 14:33:46

X - axis Post Random
Acceptance Unit
GLAT 1831

Max: 433.7 Hz 1.207 g

Sine AX3 TPS top center

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Instruments

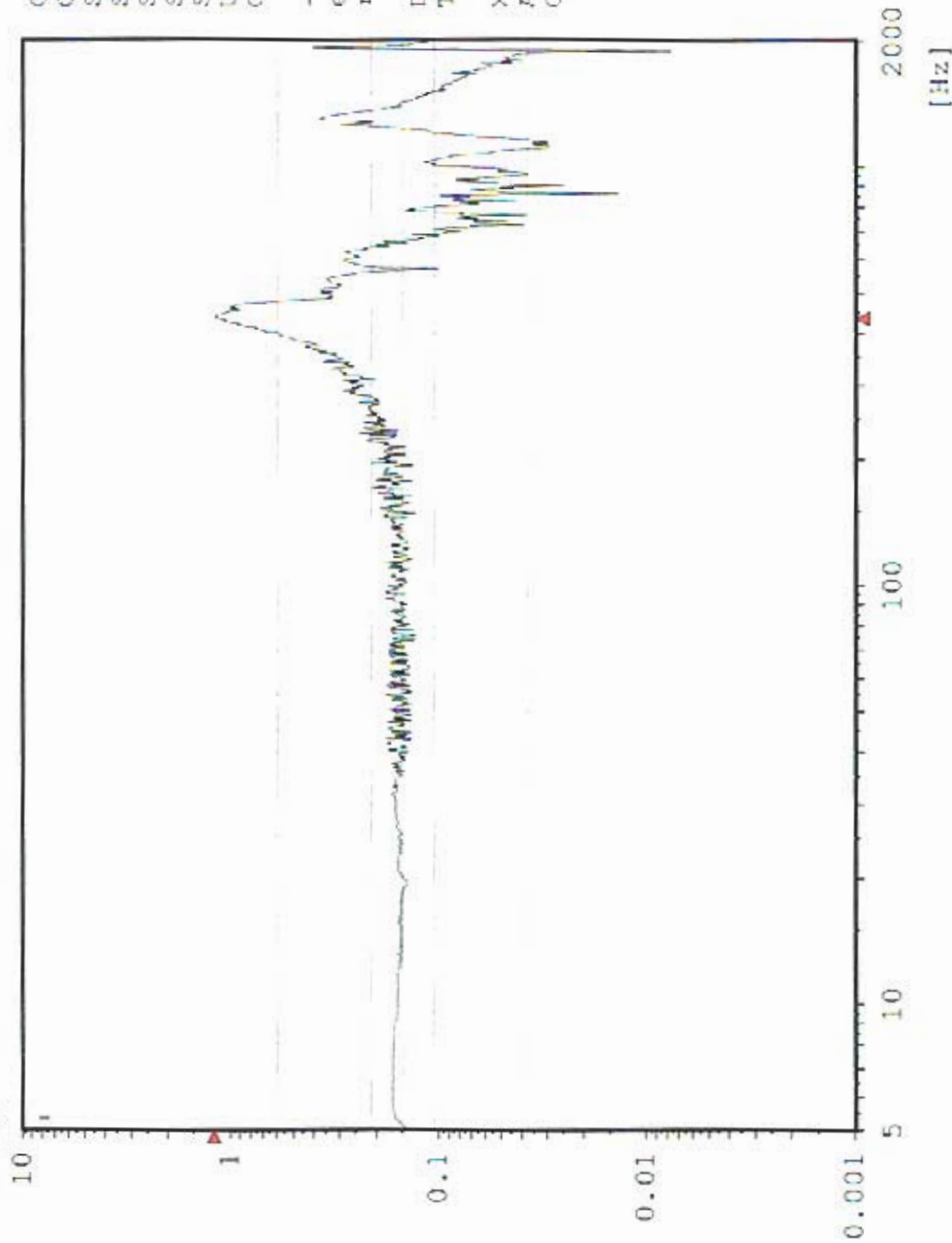
[g]

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: 05-24-05
Time: 14:33:46

X - axis Post Random
Acceptance Unit
GLAT 1831



AX4 TPS top edge

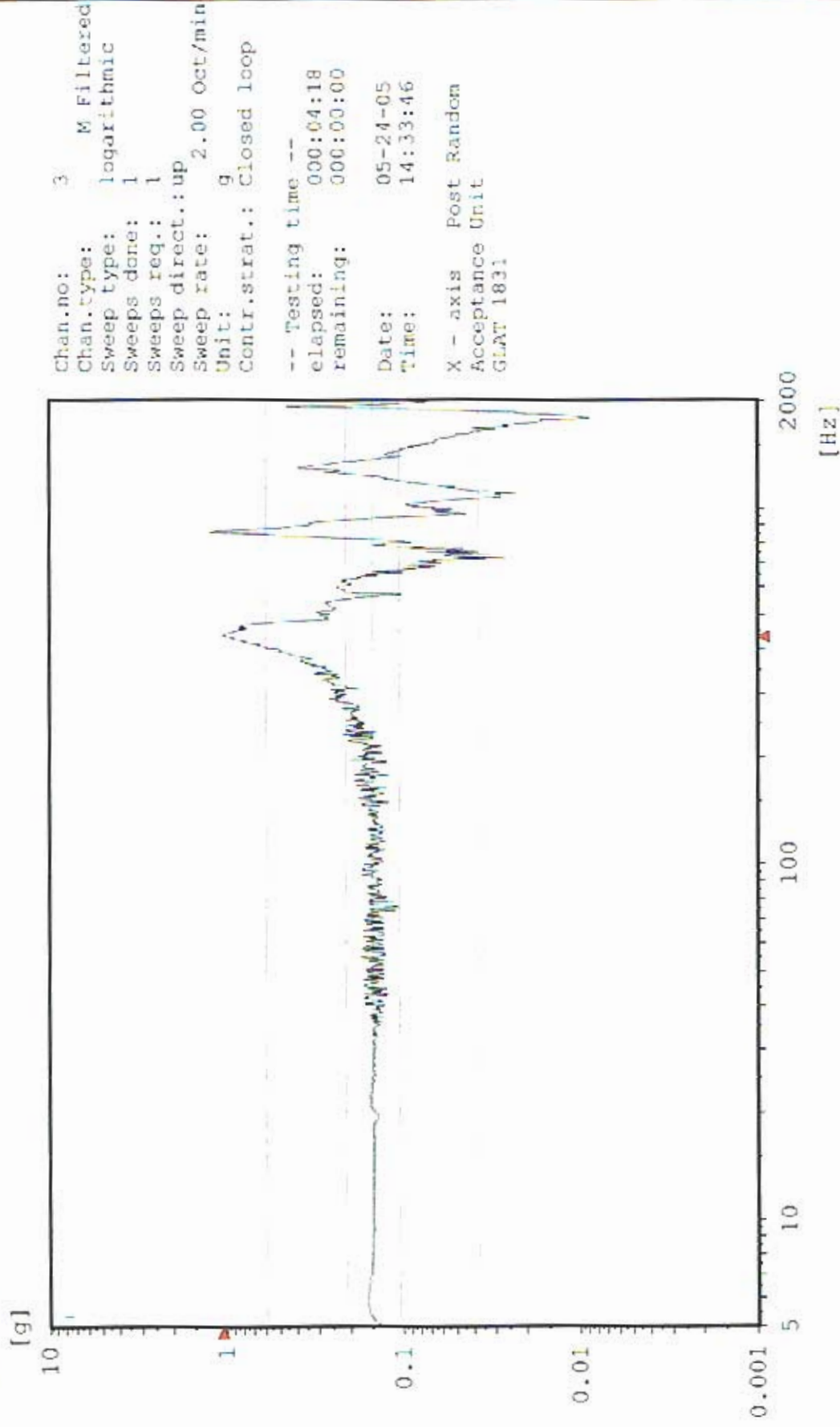
Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Instruments



Max: 433.7 Hz 0.6781 g

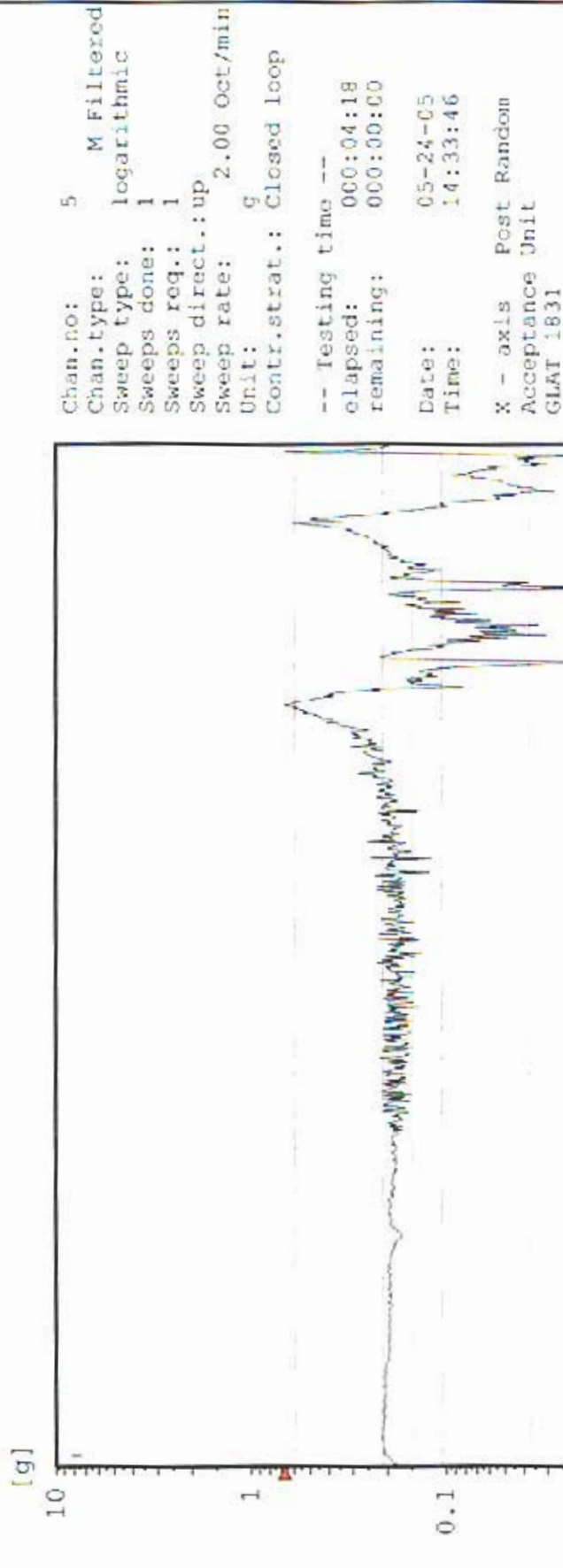
Sine AX1 TEM center edge

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Laboratories



Max: 433.7 Hz 0.9695 g

AX2 TPS CG

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

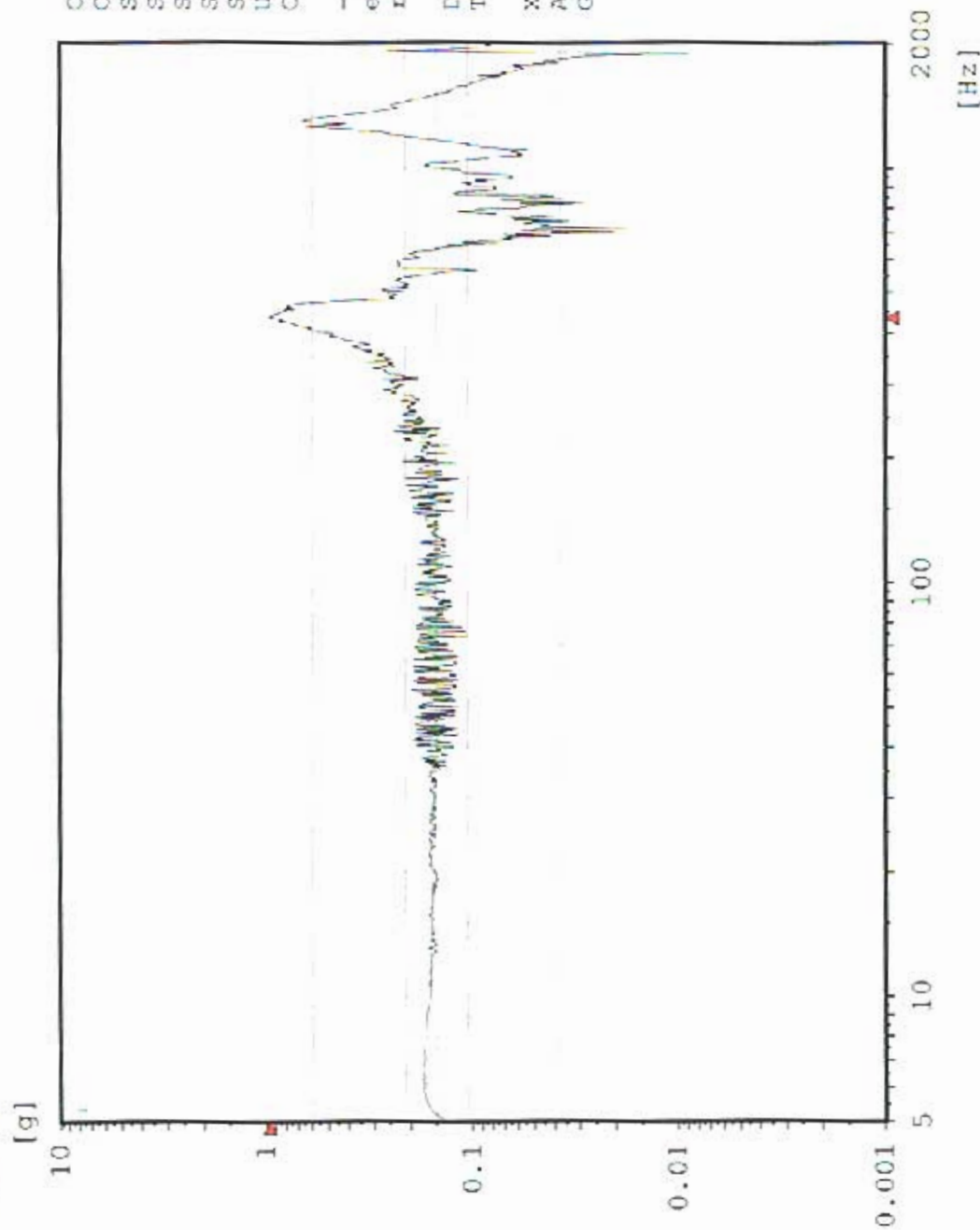
wyle
Instruments

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: 05-24-05
Time: 14:33:46

X - axis Post Random
Acceptance Unit
GLAT 1831



Sine CY1 Y-Axis Control

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

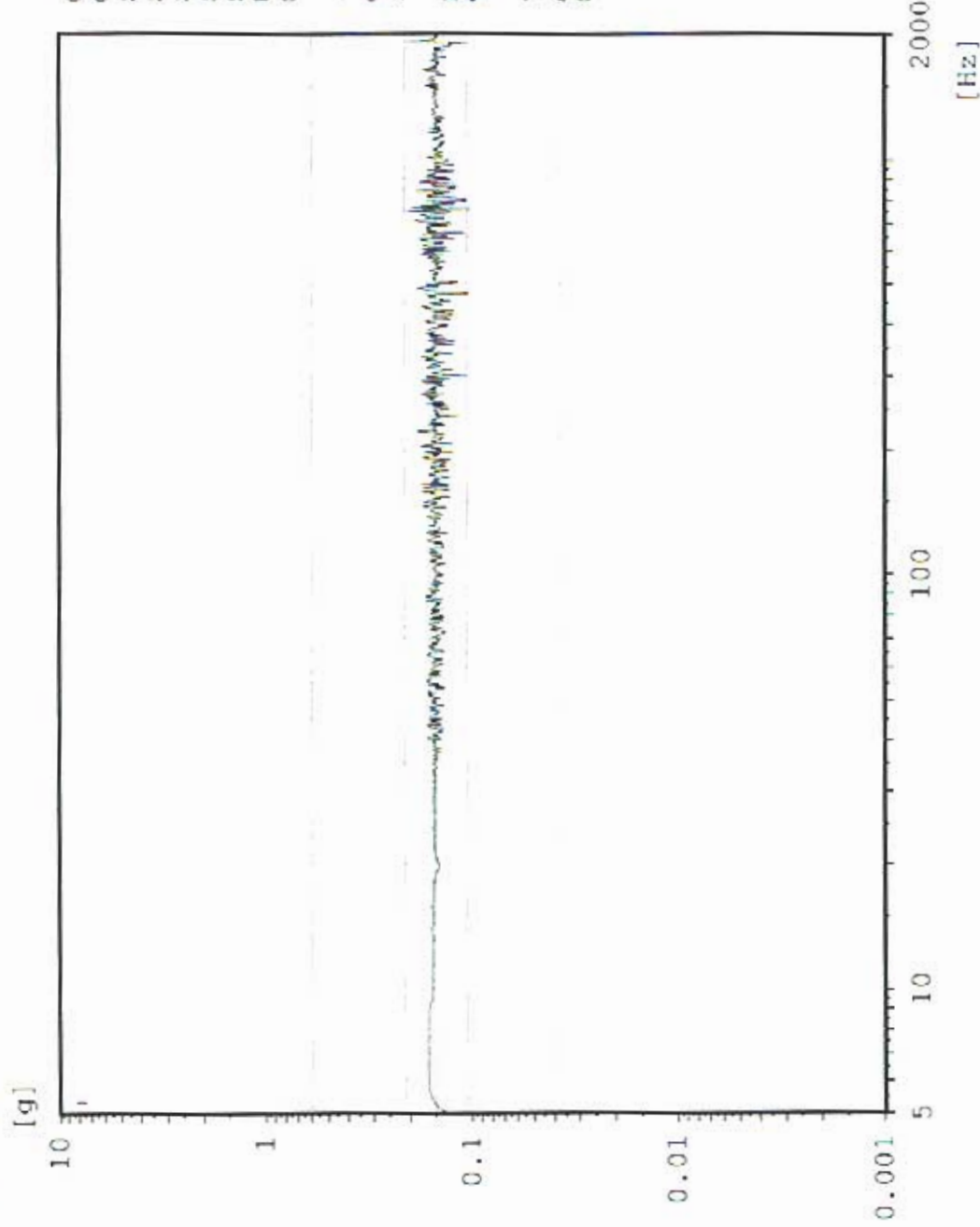
wyle
laboratories

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: 05-24-05
Time: 14:54:33

Y - axis Pre Random
Acceptance Unit
GLAT 1831



AY3 TPS Top Center

Sine

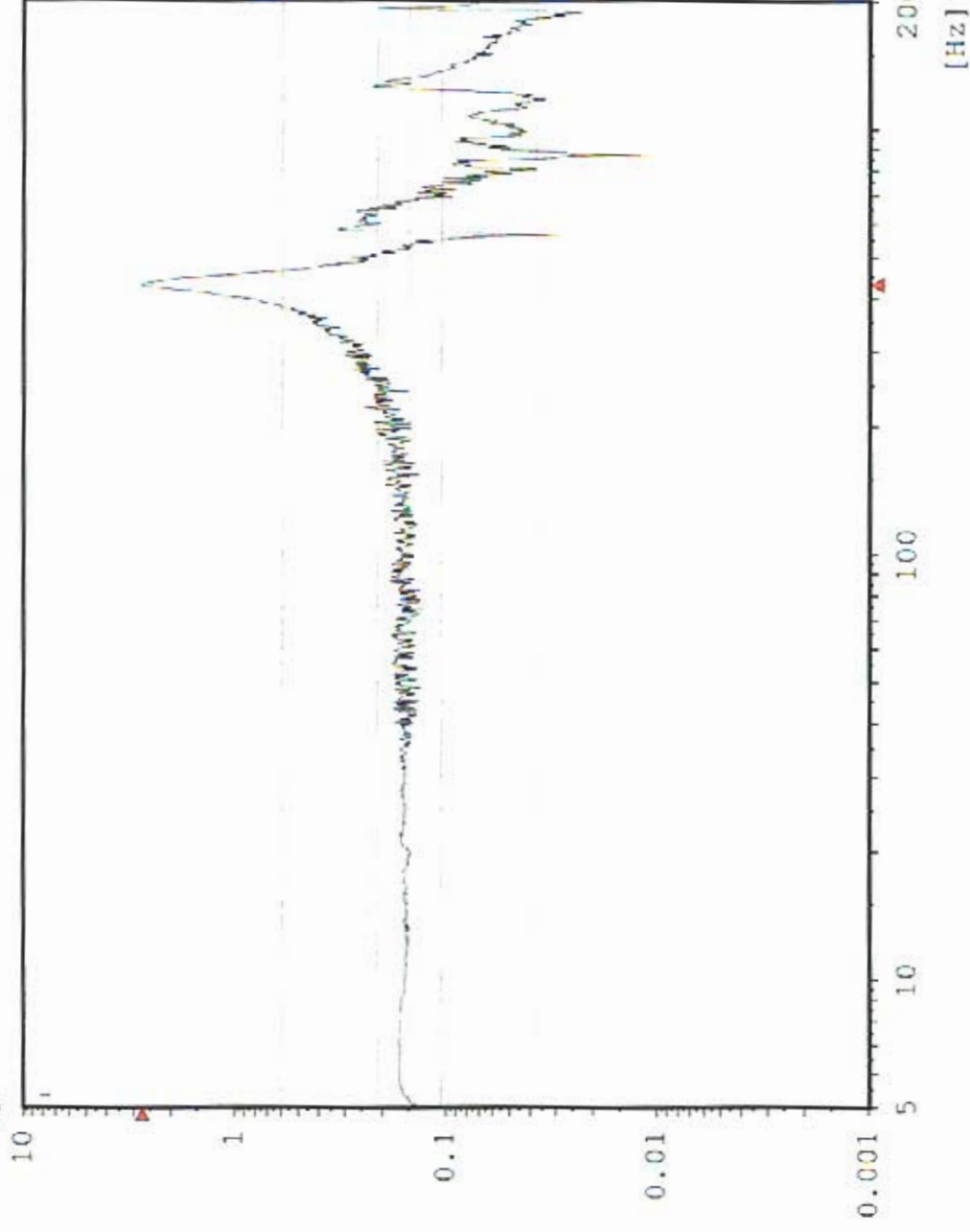
Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS



[g]



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: 05-24-05
Time: 14:54:33

Y - axis Pre Random
Acceptance Unit
GLAT 1831

AY4 TPS Top Edge

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

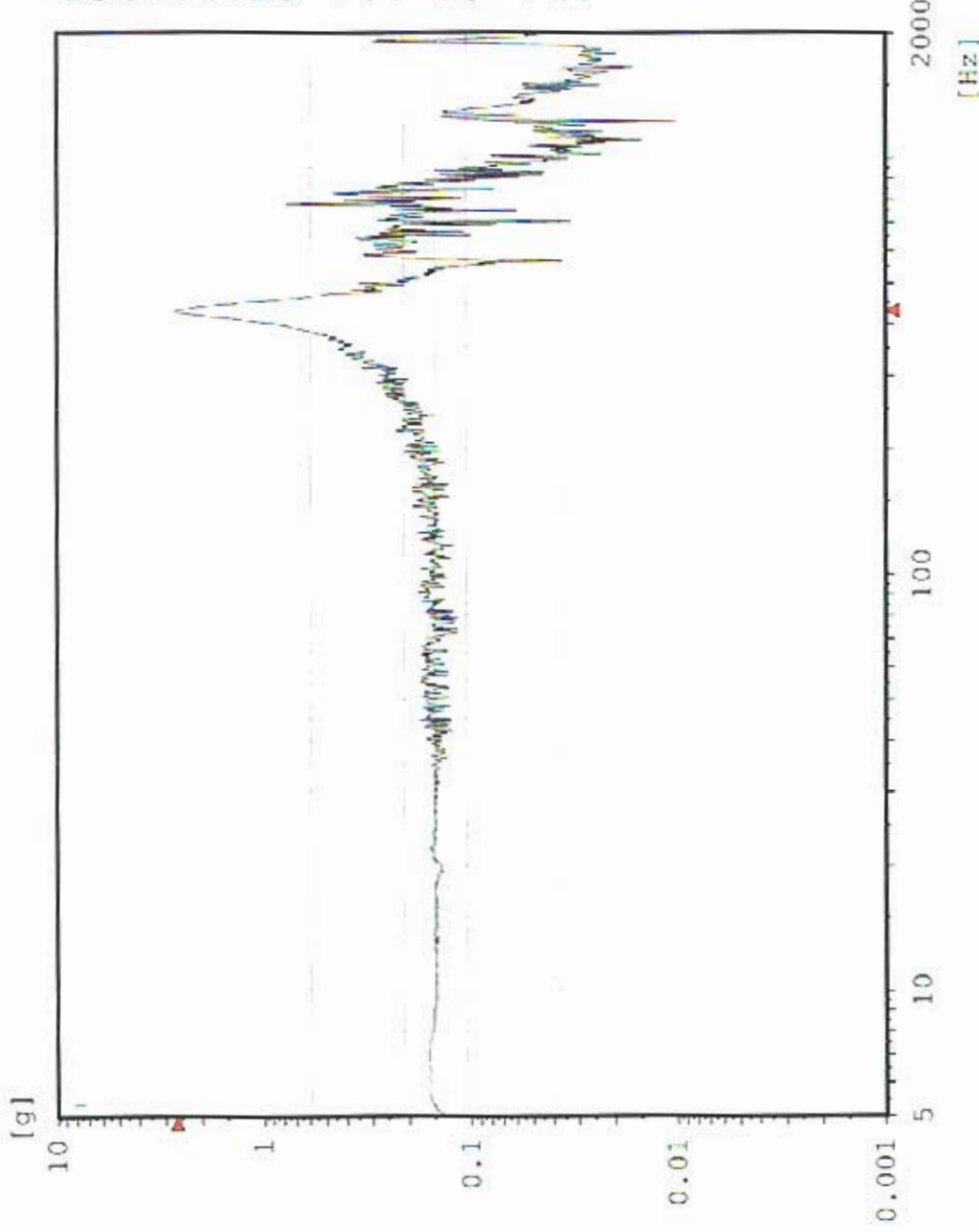
wyle
Laboratories

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

Date: 05-24-05
Time: 14:54:33

Y - axis Pre Random
Acceptance Unit
GLAT 1831

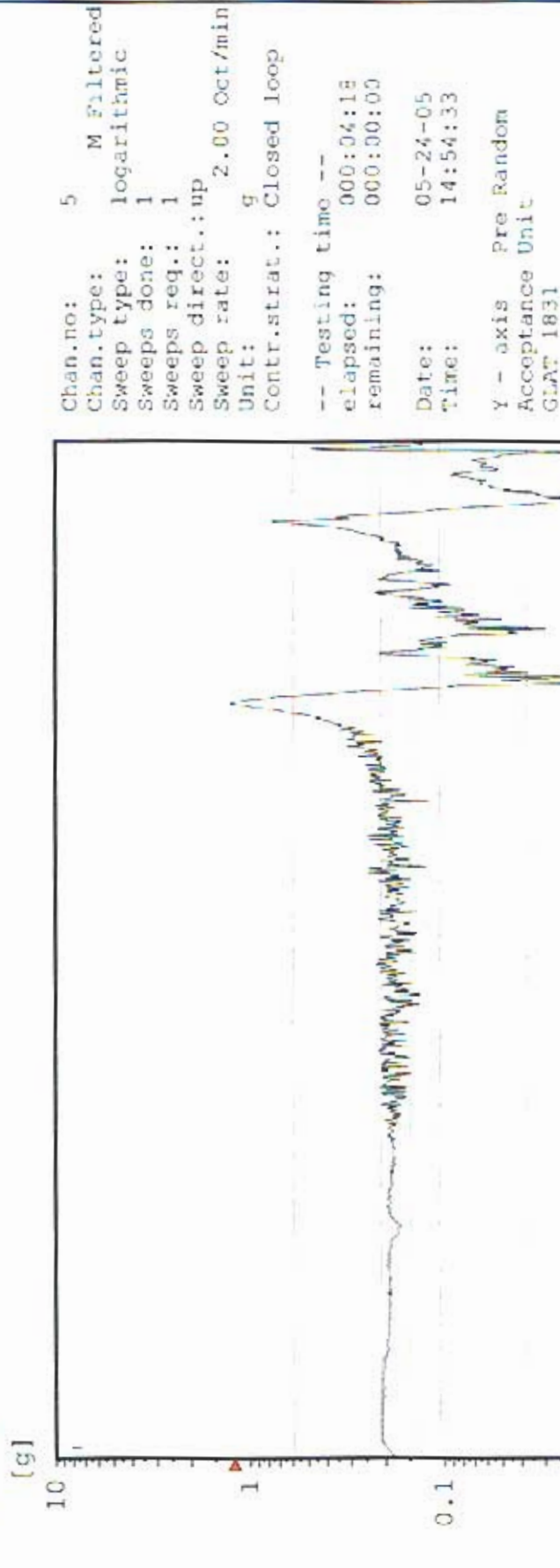


Sine AY1 TEM Center Edge

Stanford Linear Accelerator

J/N 49995.52000

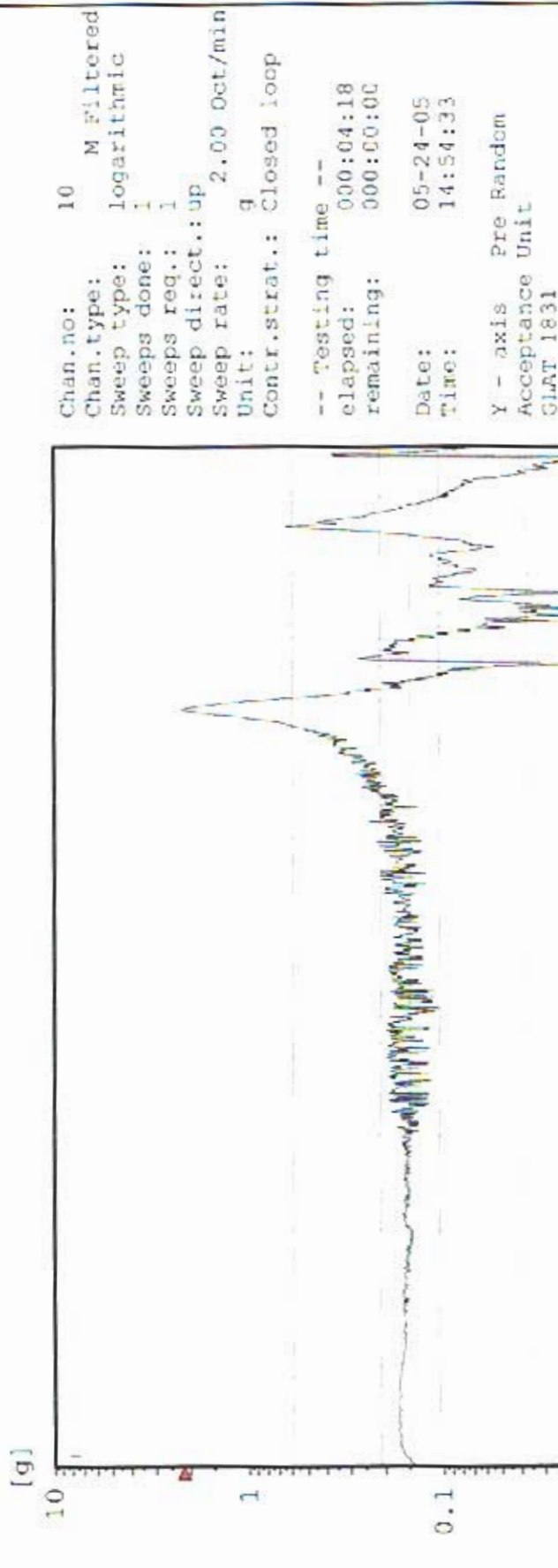
TEM / TPS



AY2 TPS CG

Sine
Stanford Linear Accelerator
J/N 49995.52000
TEM / TPS

wyle
Laboratories



CY1 Y-Axis Control

Random

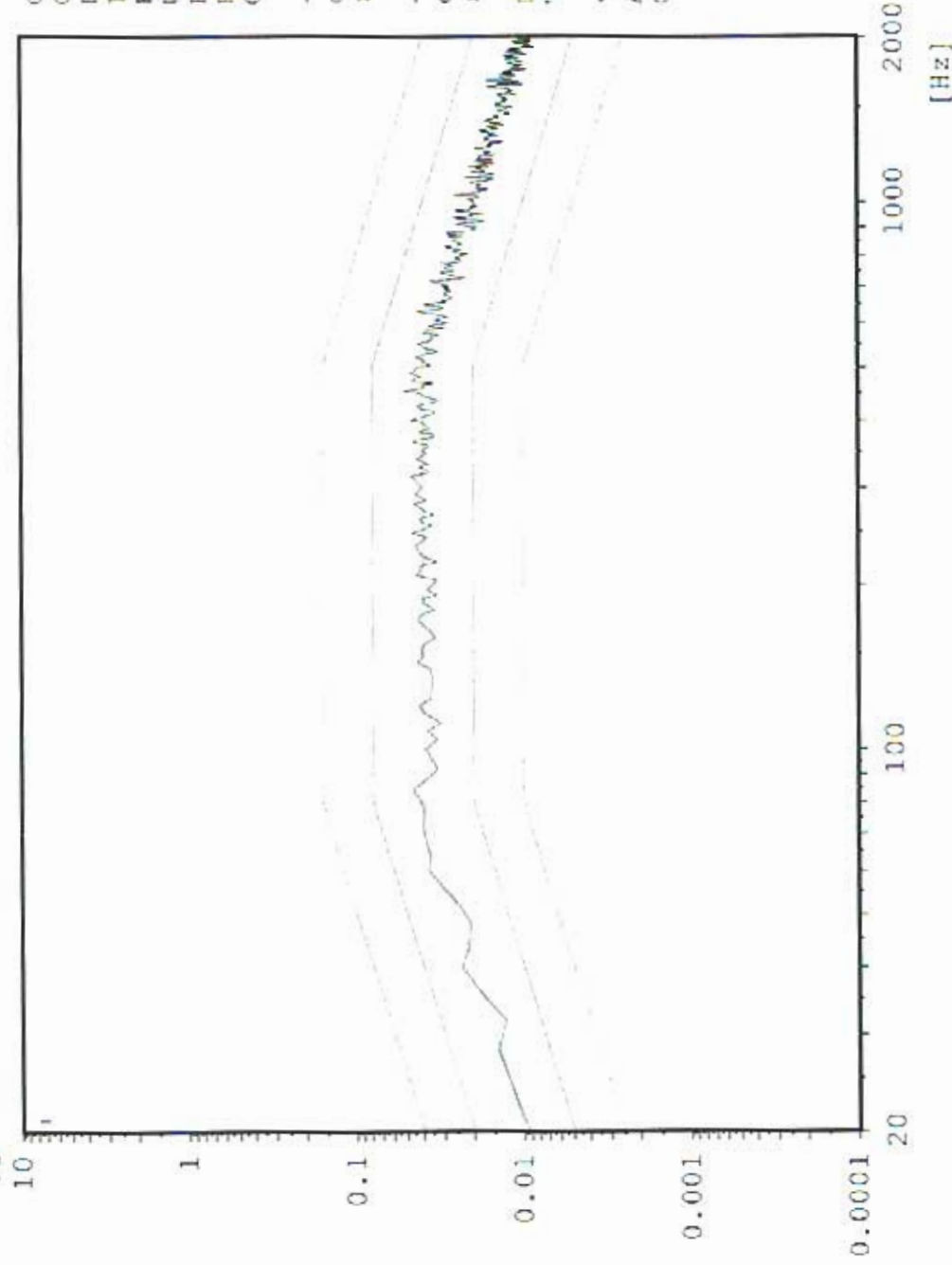
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
Instruments

[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: 000:02:55
remaining: 000:00:00

Date: 05-24-05
Time: 15:02:45

Y - Axis
Acceptance Unit
GLAT 1831

Max: 4.24 Hz 5.59 g^2/Hz

Random AY3 TPS Top Center

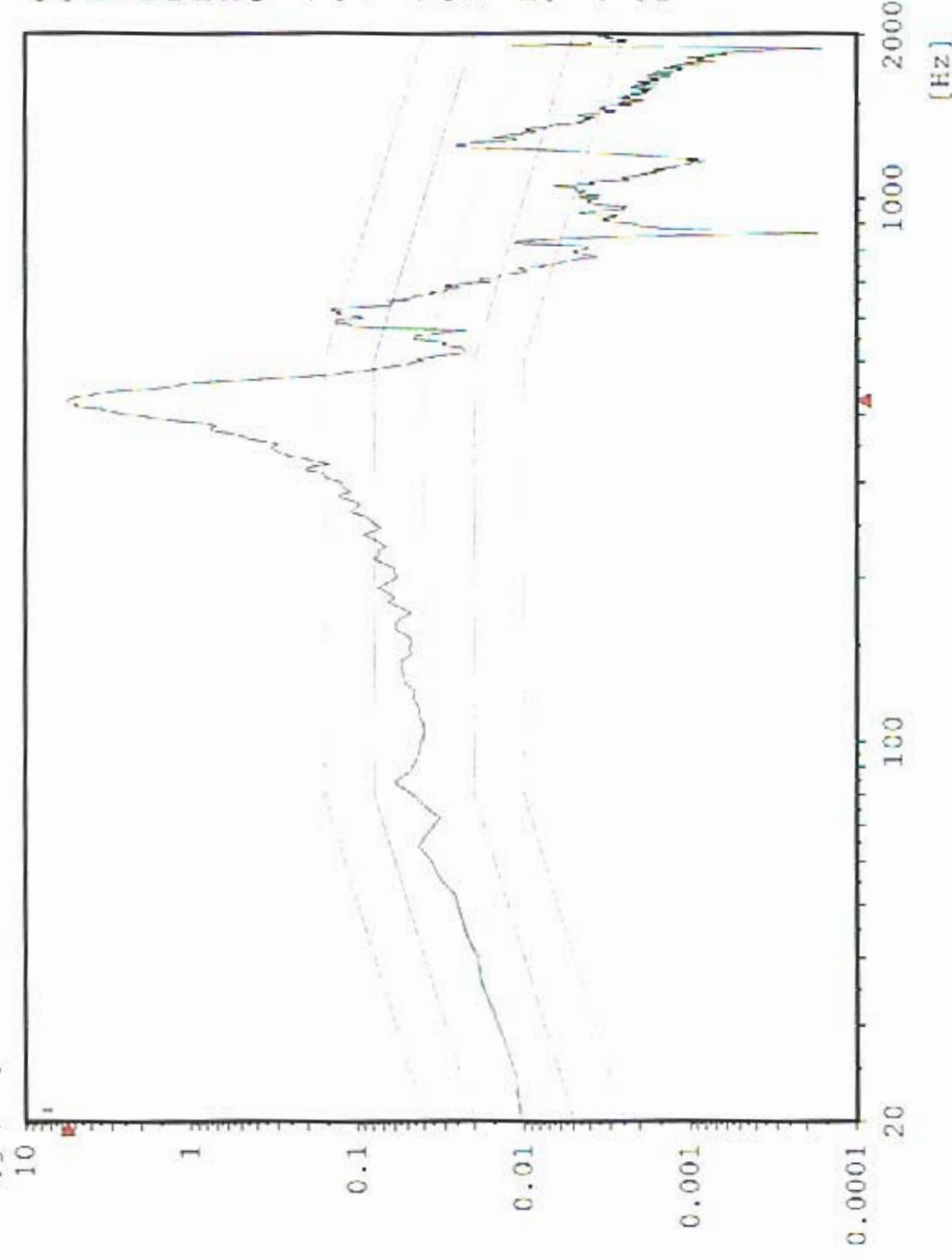
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g^2/Hz]



Chan.no: 2
Chan.type: M
DCF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g^2/Hz
RMS (act.): 17.2 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: 05-24-05
Time: 15:02:45

Y - Axis
Acceptance Unit
GLAT 1831

Max: 424 Hz 5.16 g²/Hz

Random AY4 TPS Top Edge

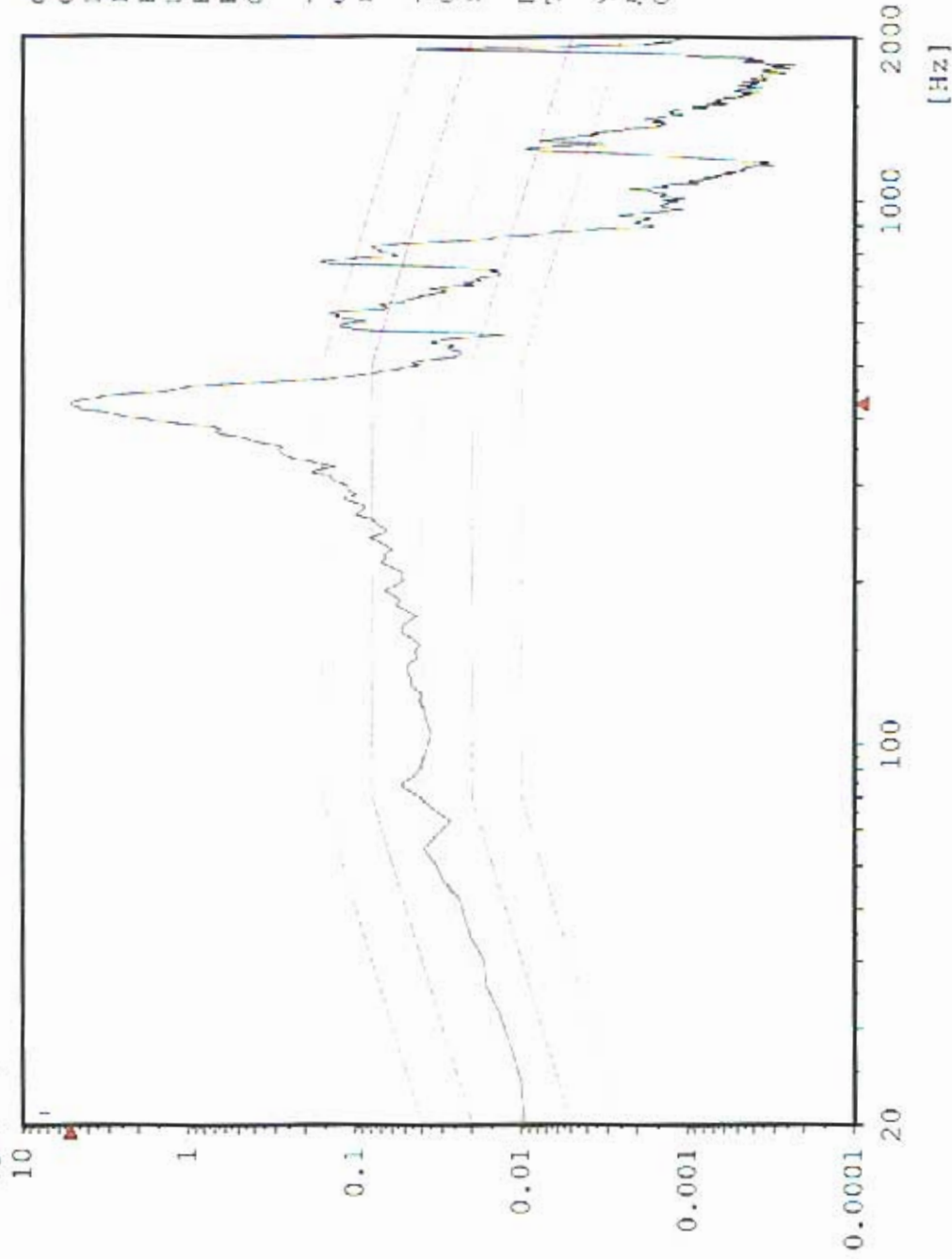
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
Laboratories

[g²/Hz]



Chan.no: 3
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 16.67 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: 05-24-05
Time: 15:02:45

Y - Axis
Acceptance Unit
GLAT 1831

Cursor: 424 Hz 1.098 g²/Hz

Random AY1 TEM Center Edge

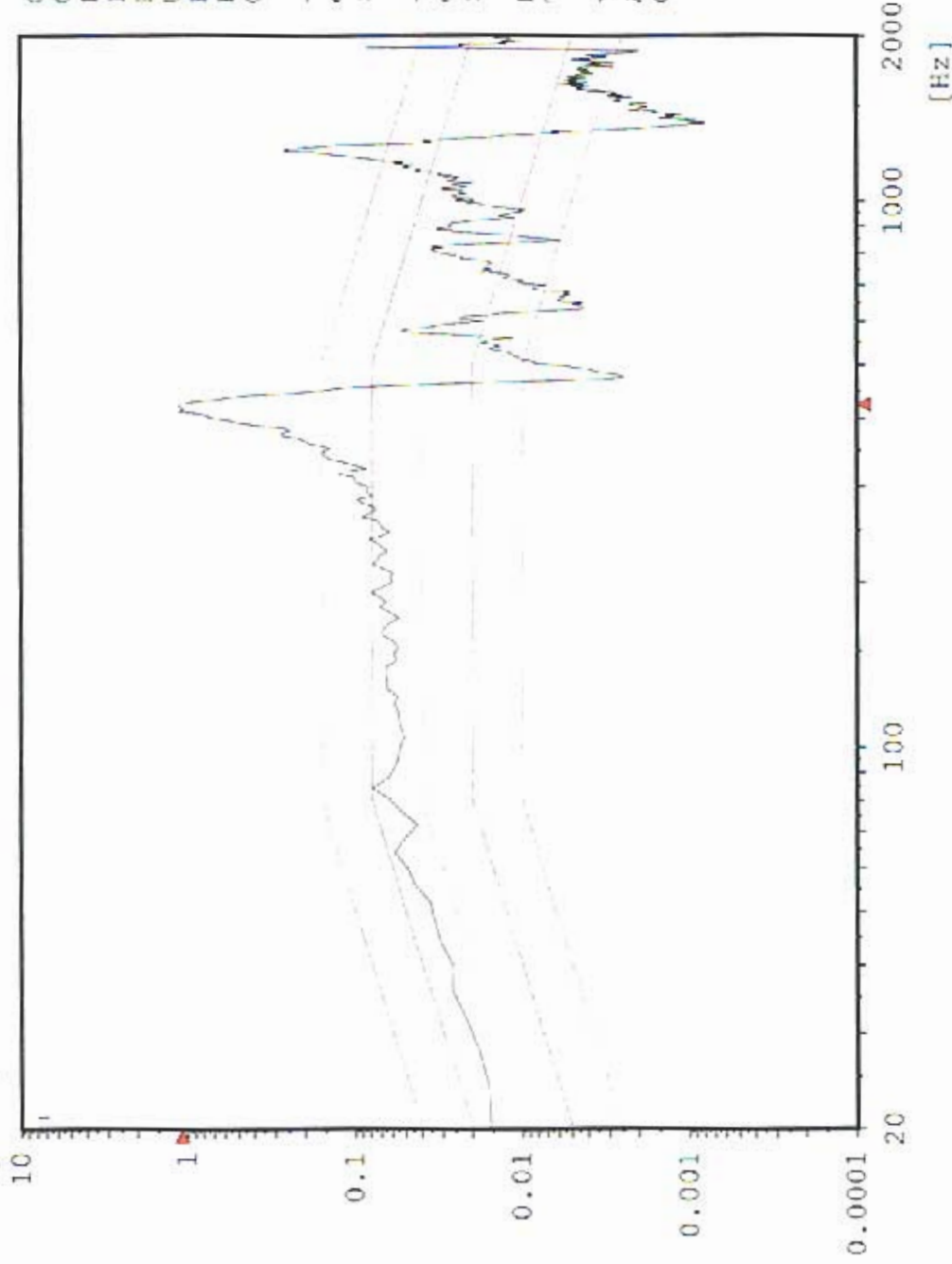
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
Instruments

[g²/Hz]



Chan.no: 5
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 10.51 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: 05-24-05
Time: 15:02:45

Y - Axis
Acceptance Unit
GLAT 1831

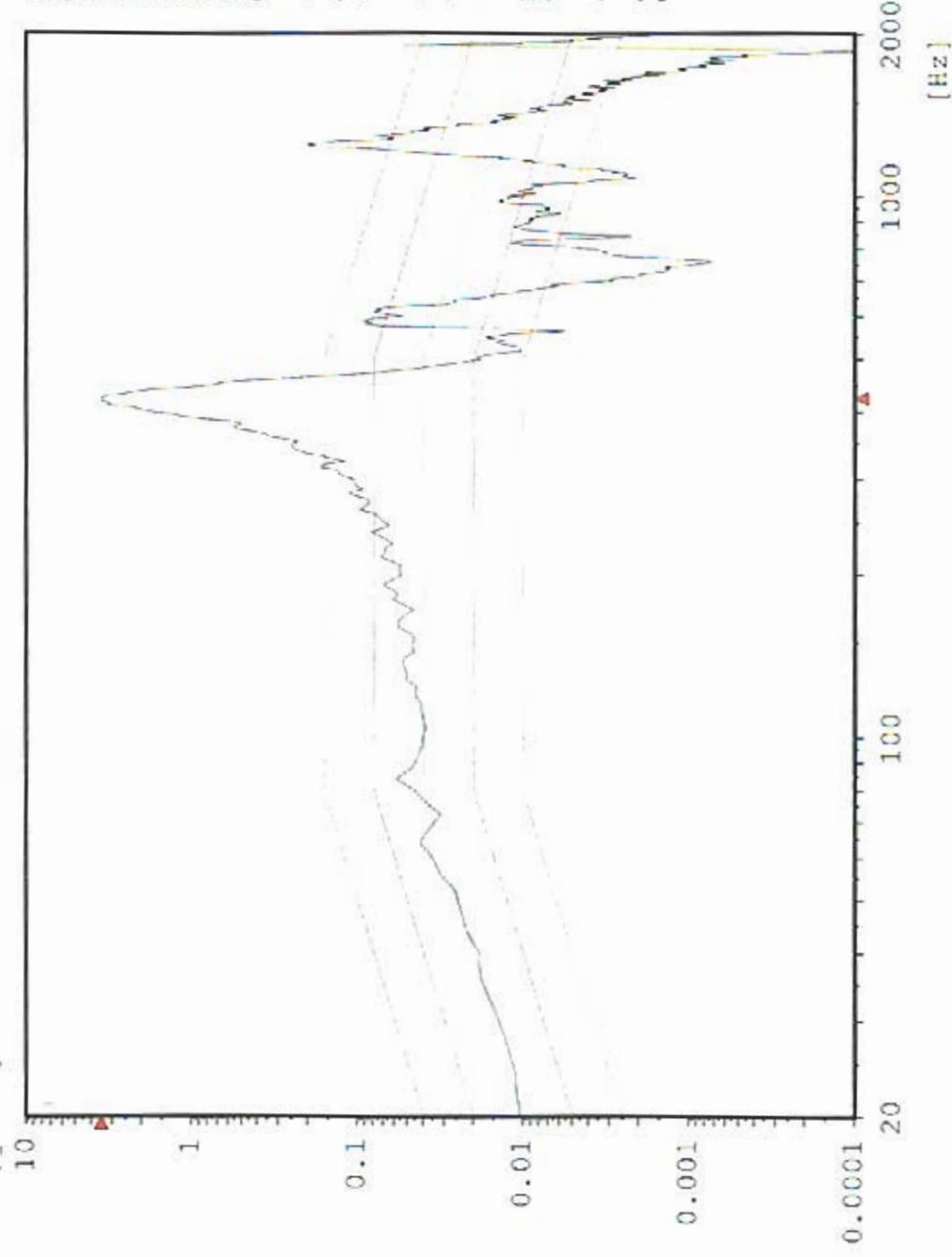
Max: 424 Hz 3.522 g²/Hz

Random AY2 TPS CG

Stanford Linear Accelerator
J/N 49995.52000
TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 10
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 14.51 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: 05-24-05
Time: 15:02:45

Y - Axis
Acceptance Unit
GLAT 1831

CY1 Y-Axis Control

Sine

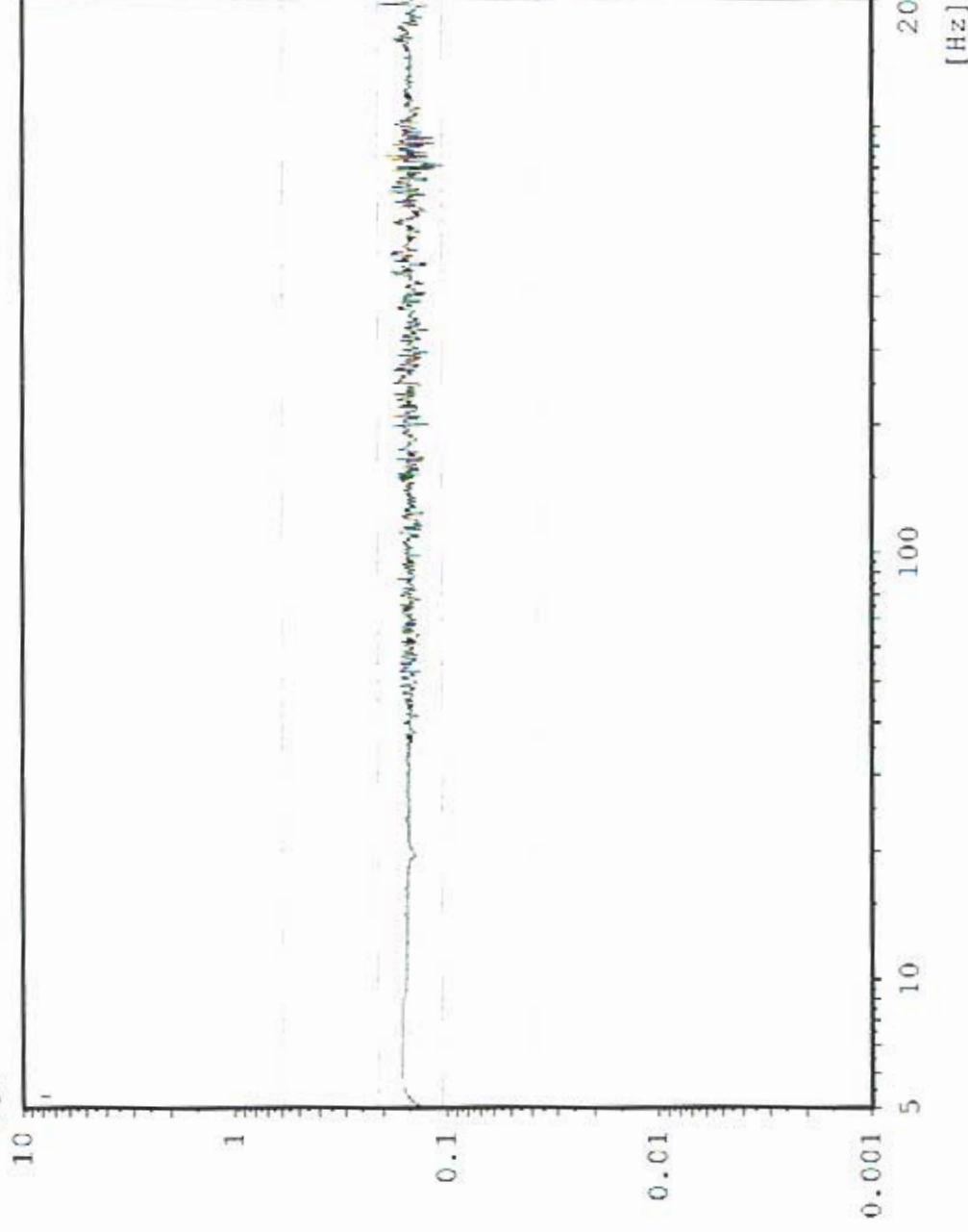
Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Laboratories

[g]



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: 05-24-05
Time: 15:12:01

Y - axis Post Random
Acceptance Unit
GLAT 1831

AY3 TPS Top Center

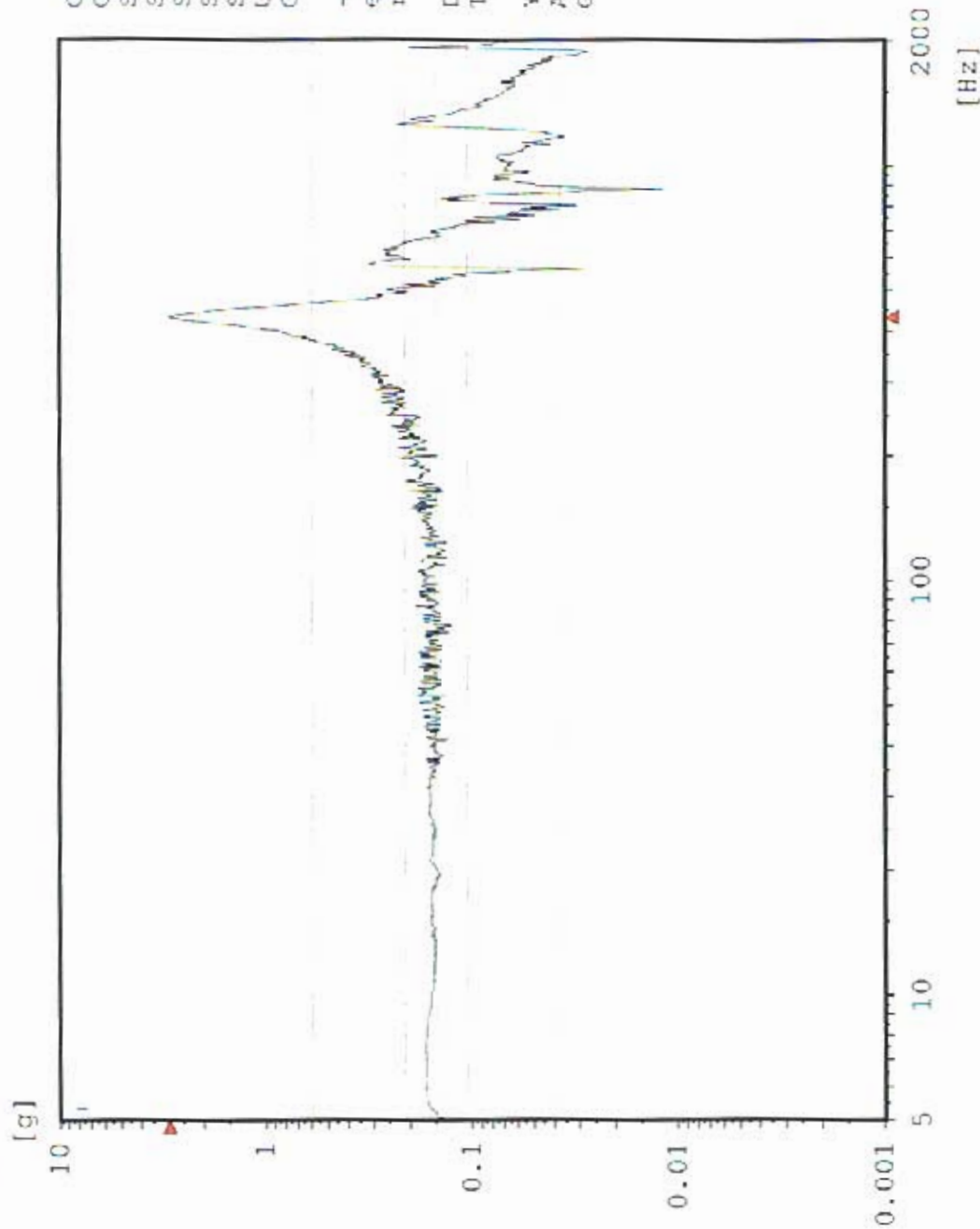
Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Laboratories



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: 05-24-05
Time: 15:12:01

Y - axis Post Random
Acceptance Unit
GLAT 1831

Max: 431.1 Hz 2.851 g

AY4 TPS Top Edge

Sine

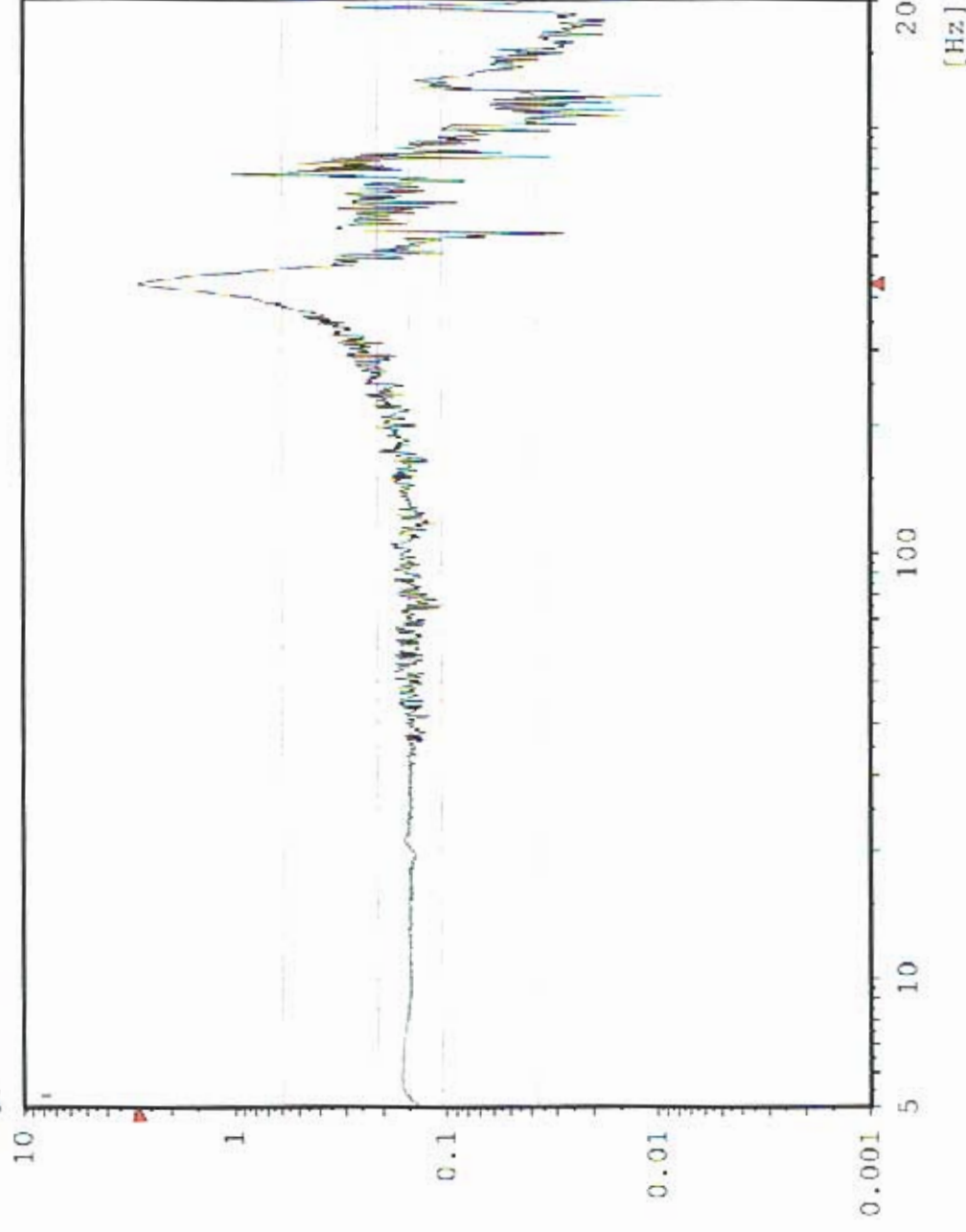
Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories

[g]



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: 05-24-05
Time: 15:12:01

Y - axis Post Random
Acceptance Unit
GLAT 1831

AY1 TEM Center Edge

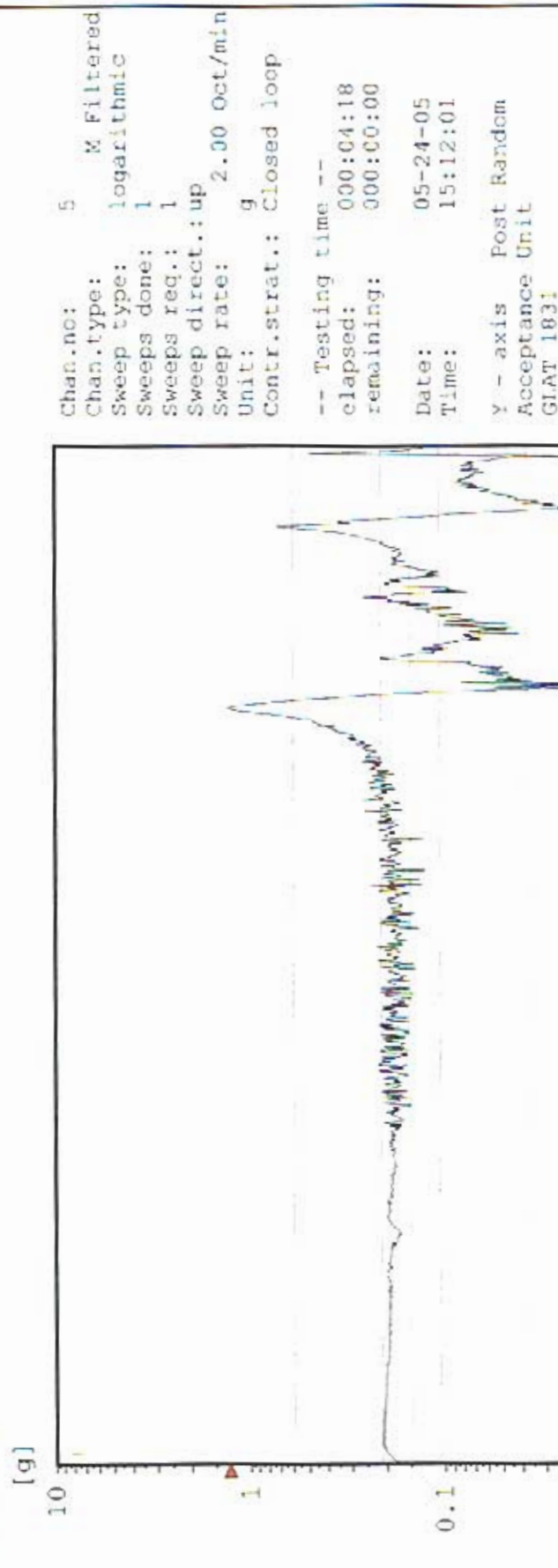
Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Instruments



Max: 431.1 Hz 2.326 g

AY2 TPS CG

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories

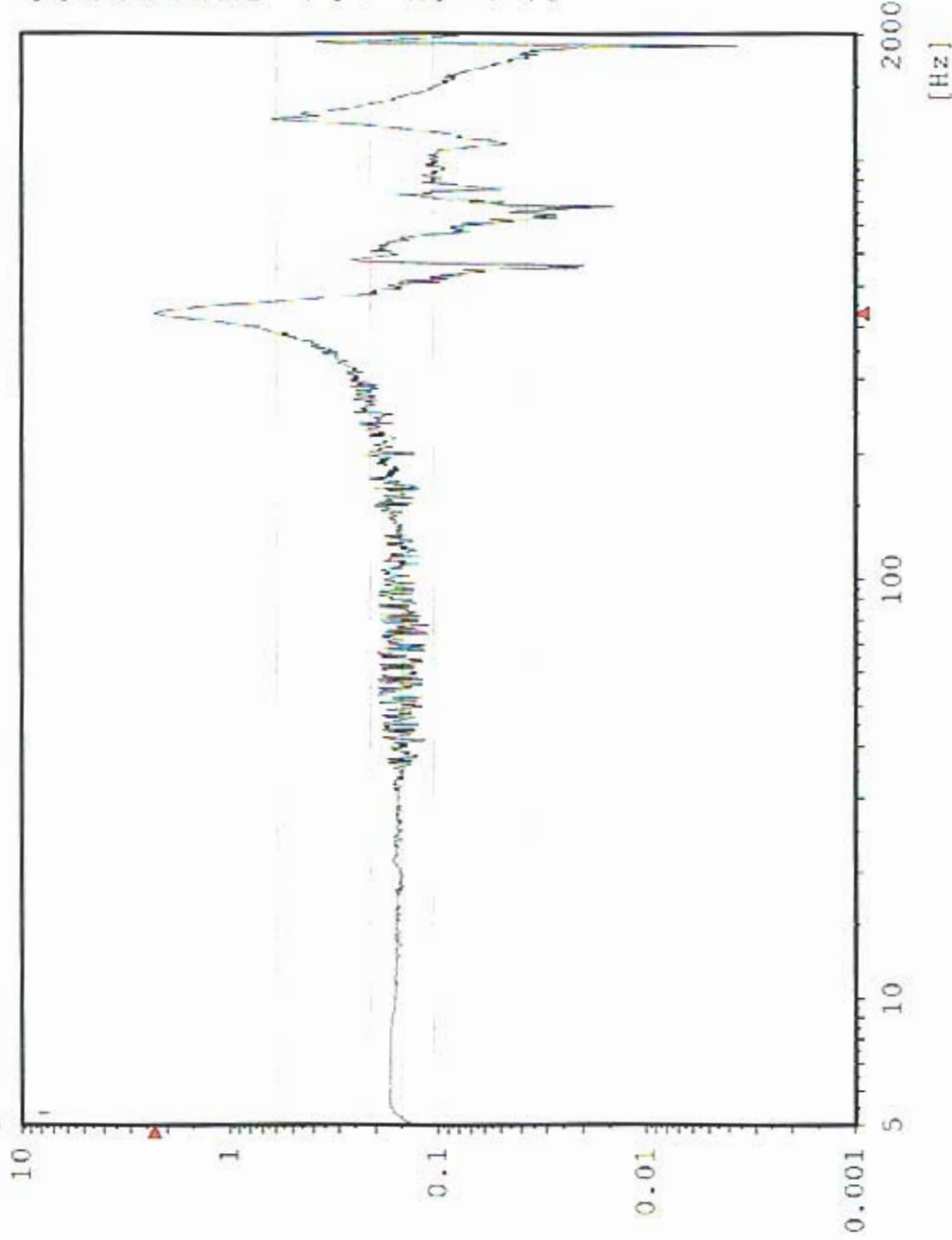
[g]

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: 05-24-05
Time: 15:12:01

Y - axis Post Random
Acceptance Unit
GLAT 1831



Sine

CZ1 Z-Axis Control

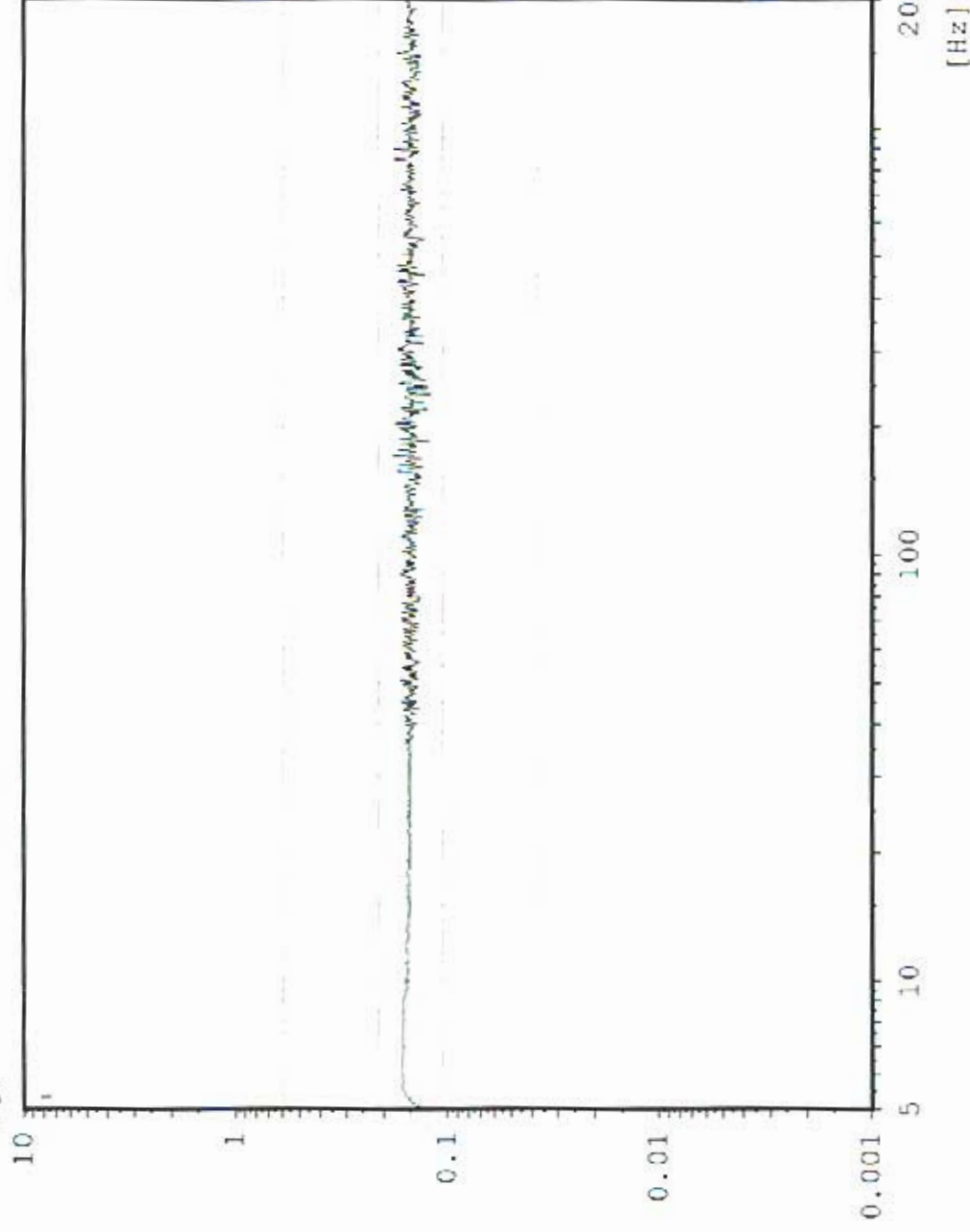
Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
Laboratories

[g]



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

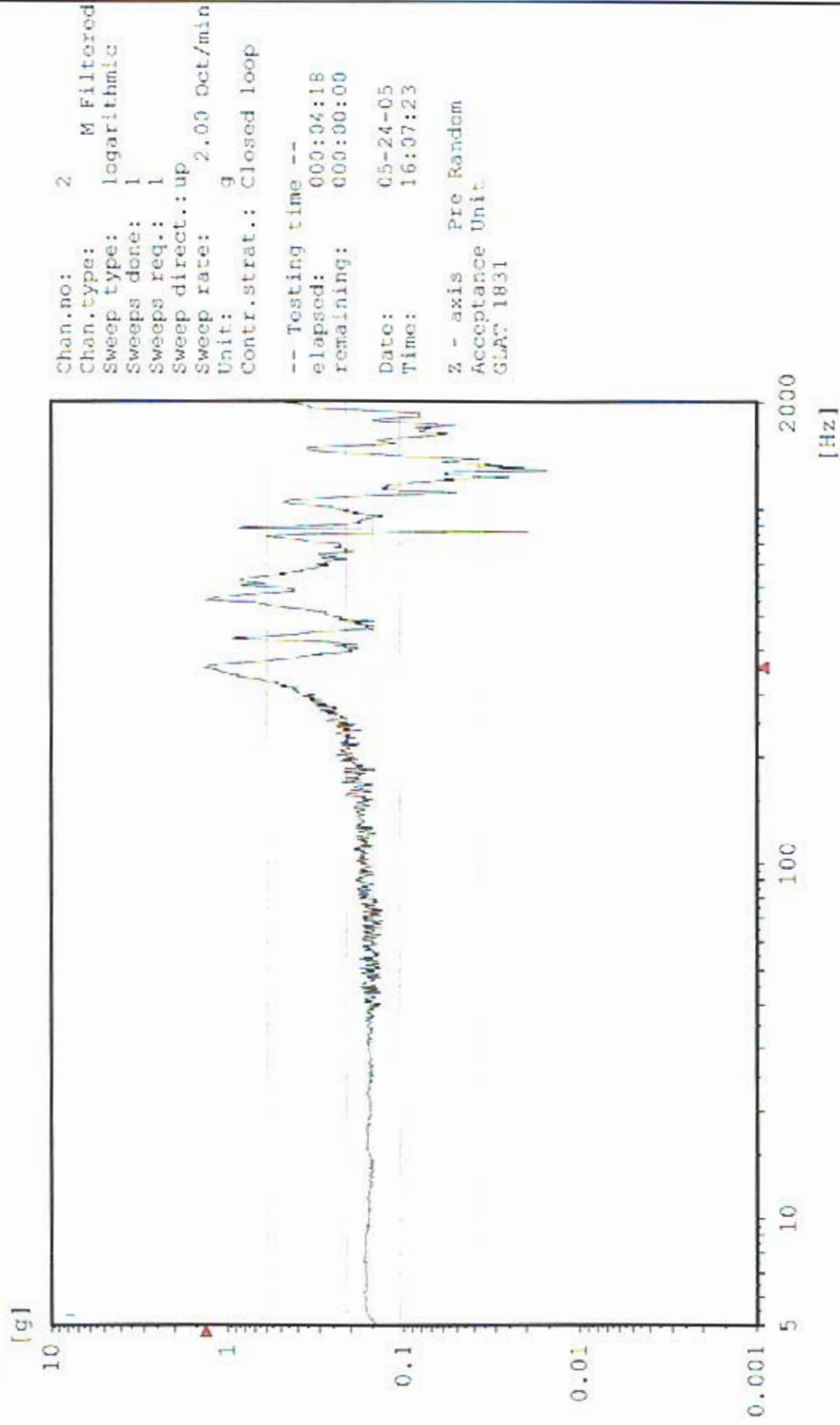
Date: 05-24-05
Time: 16:07:23

Z - axis Pre Random
Acceptance Unit
GLAT 1831

AZ4 TPS Boss 2

Sine
Stanford Linear Accelerator
J/N 49995.52000
TEX / TPS

wyle
laboratories



AZ3 TPS Boss 1

Sine

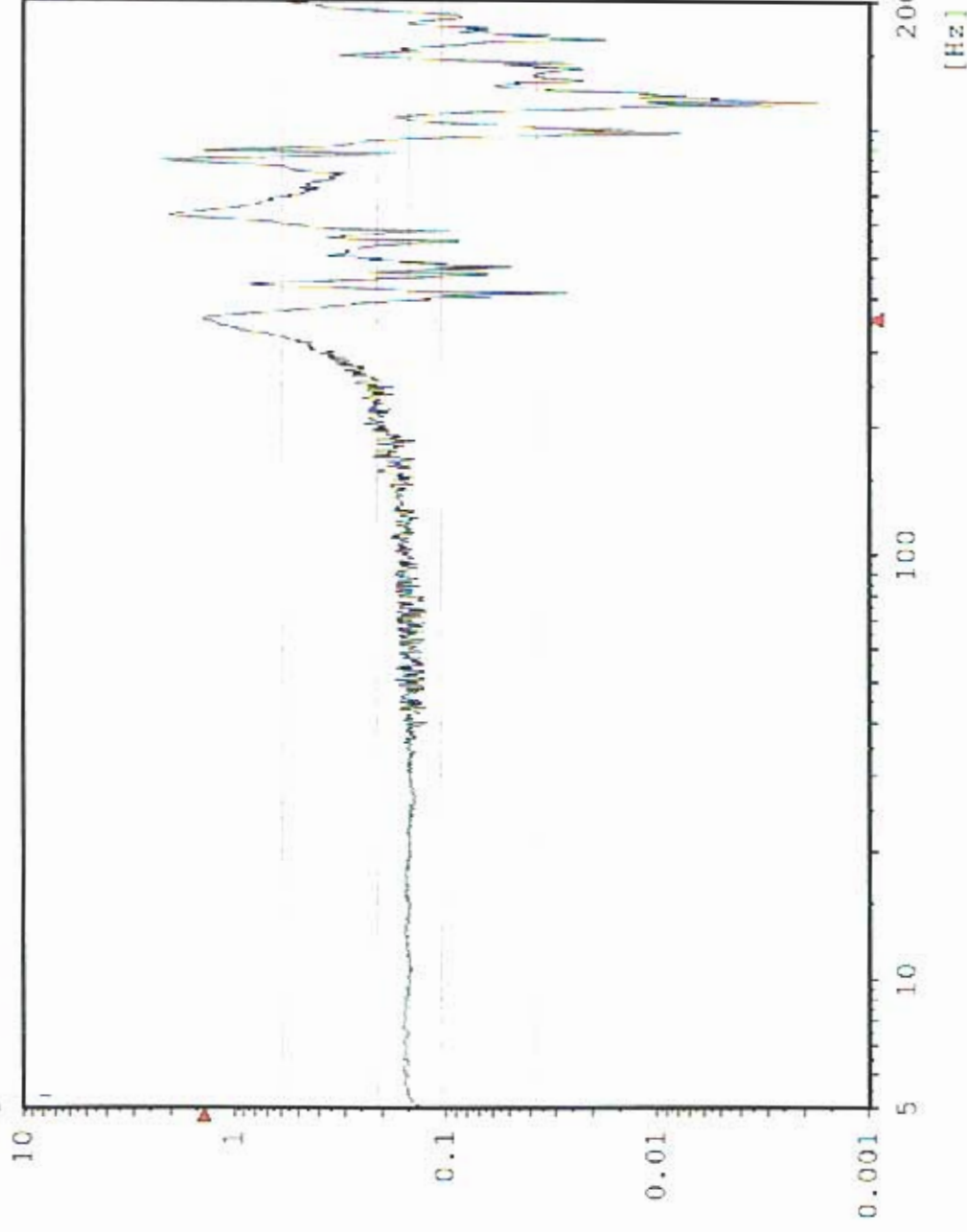
Stanford Linear Accelerator

J/N 49995.52000

TEX / TPS



[g]



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: 00:04:18
 remaining: 00:00:00
 Date: 05-24-05
 Time: 16:07:23

Z - axis Pre Random
 Acceptance Unit
 GLAT 1831

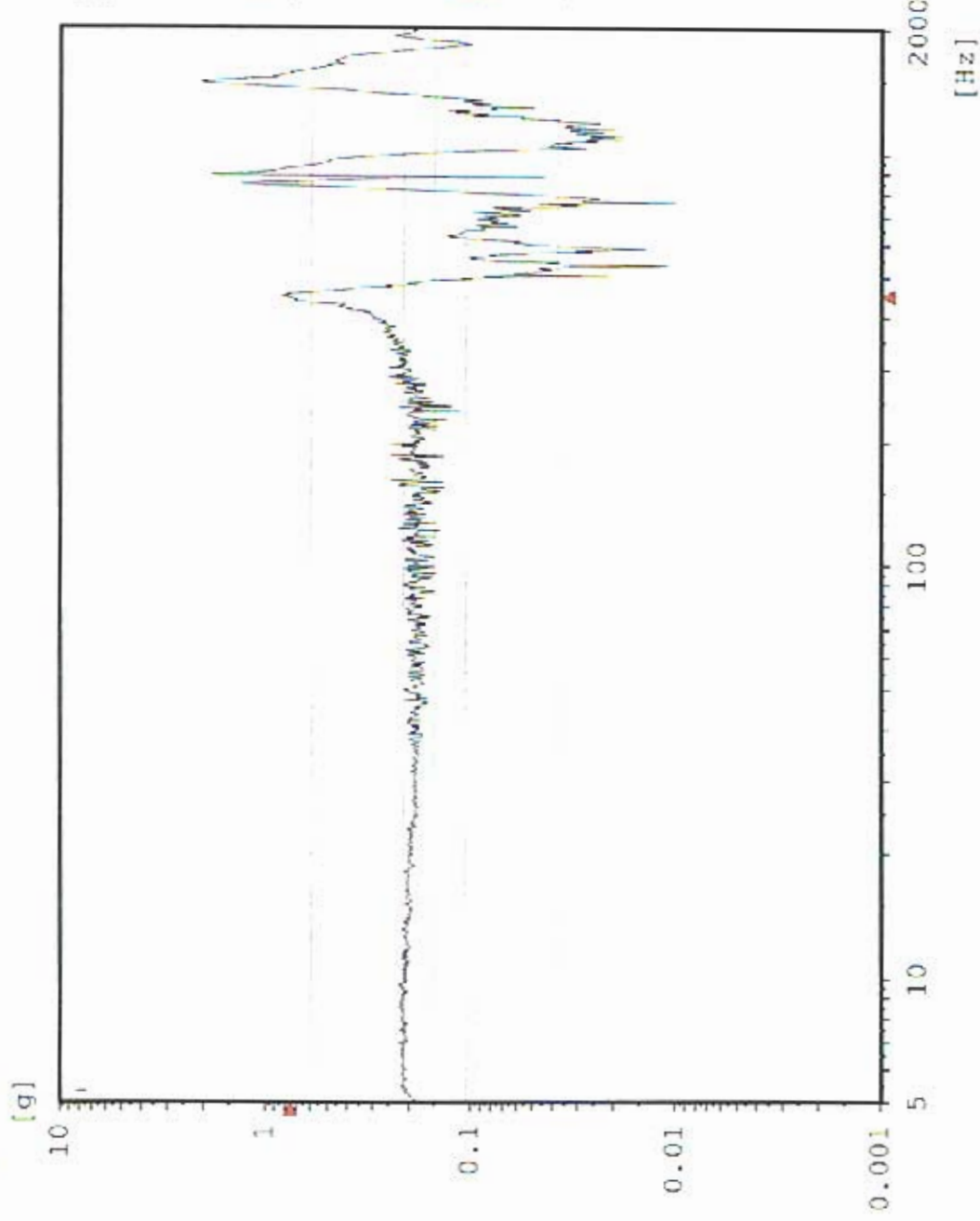
Sine AZ5 TEM Bottom Edge

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories



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

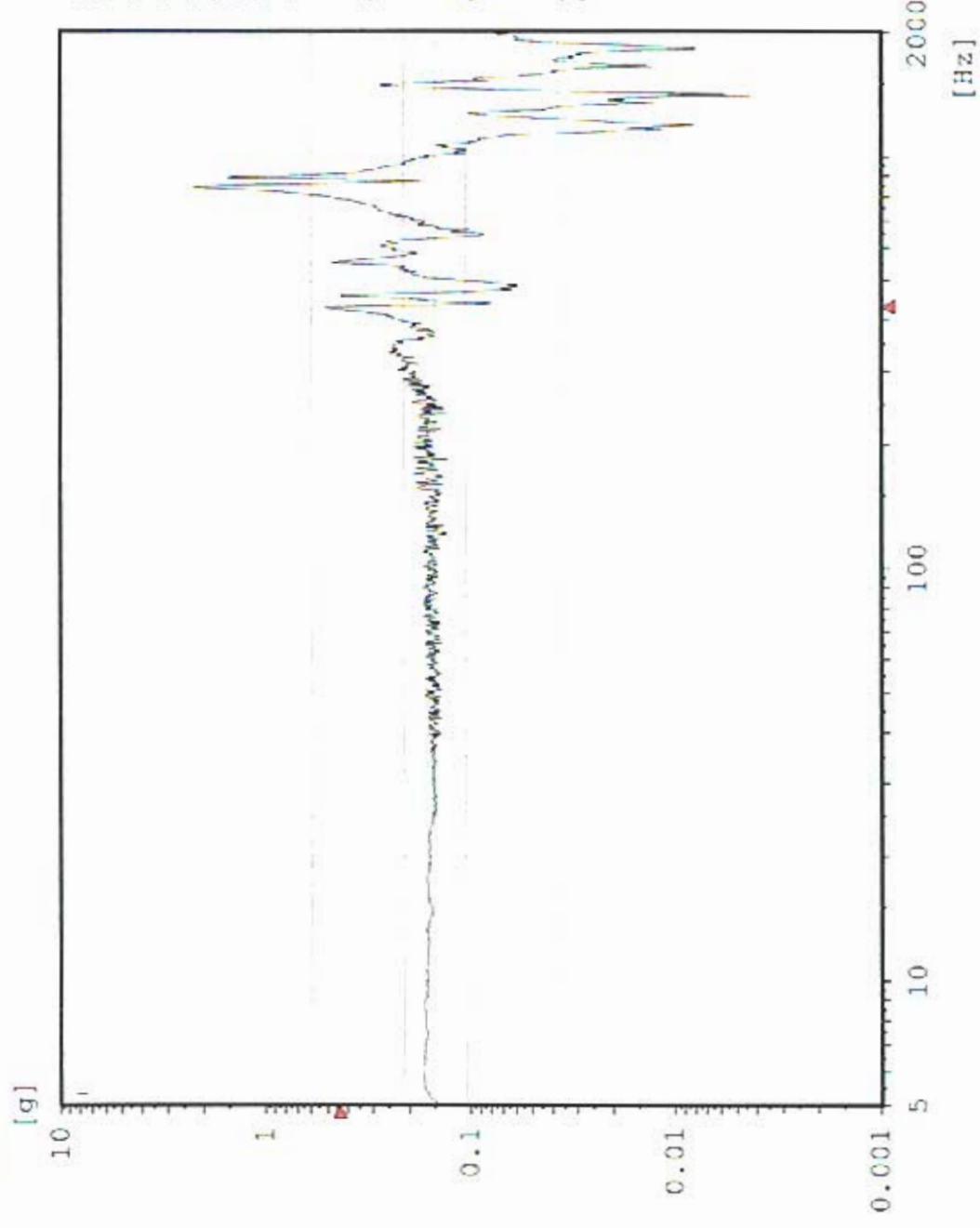
-- Testing time --
elapsed: 000:04:18
remaining: 000:00:00

Date: 05-24-05
Time: 16:07:23

Z - axis Pre Random
Acceptance Unit
GLAT 1831

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: 05-24-05
Time: 16:07:23

Z - axis Pre Random
Acceptance Unit
GLAT 1831

Max: 454.5 Hz 4.636 g

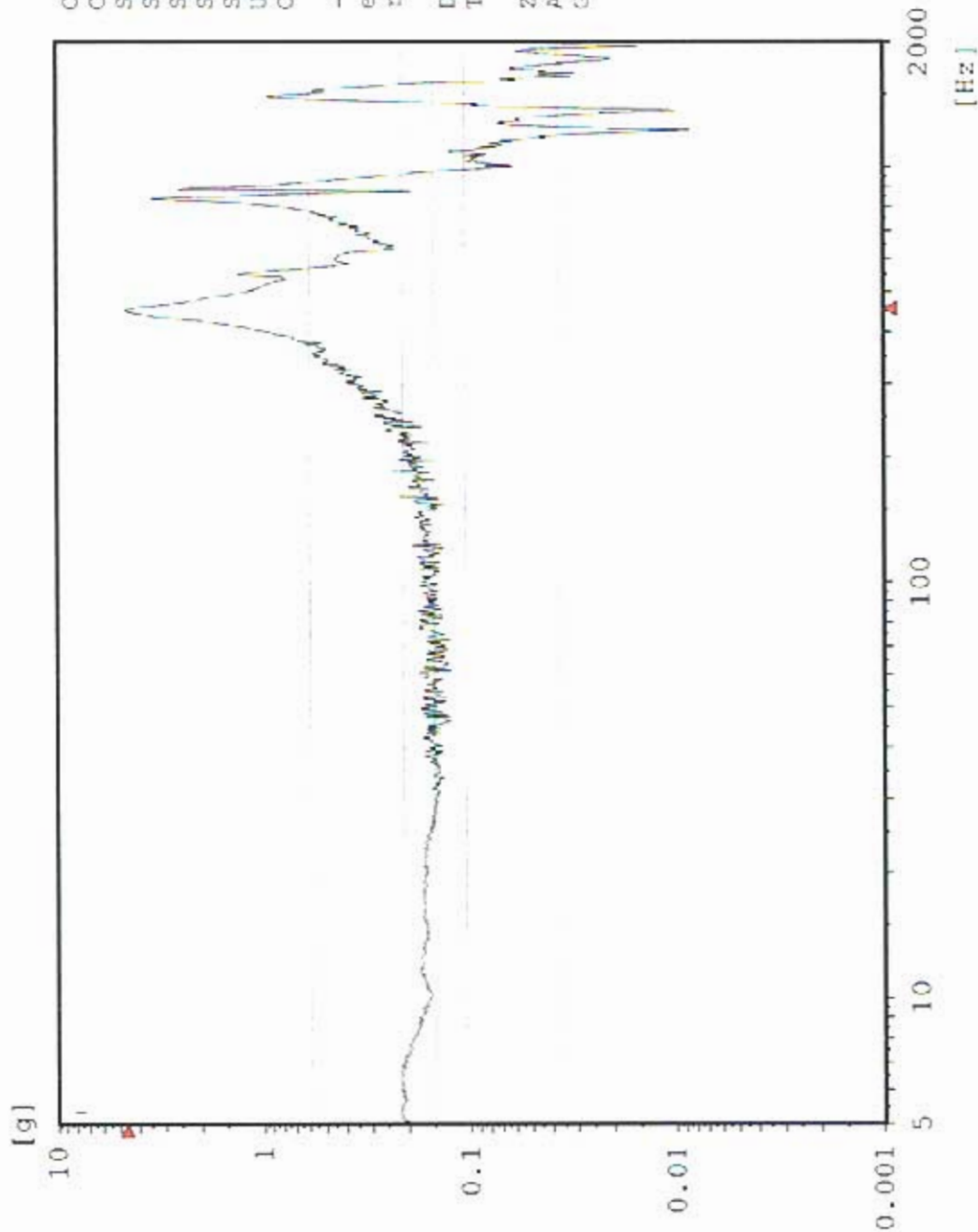
Sine AZ6 TEM Bottom Center

Stanford Linear Accelerator

J/N 49995.52000

TEM / TFS

wyle
Laboratories



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: 05-24-05
Time: 16:07:23

Z - axis Pre Random
Acceptance Unit
GLAT 1831

AZ2 TPS Corner

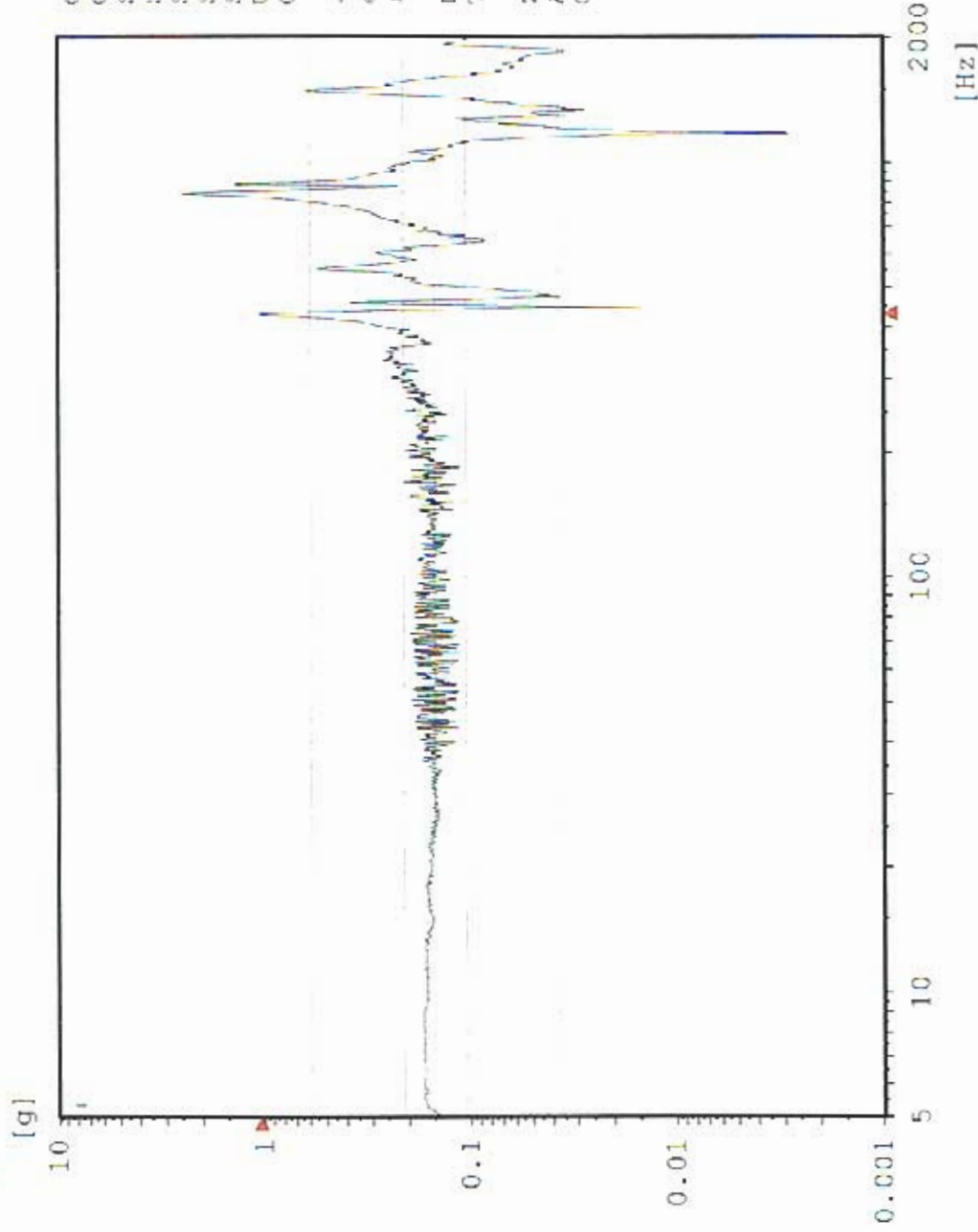
Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories



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: 05-24-05
Time: 16:07:23

Z - axis Pre Random
Acceptance Unit
GLAT 1831

CZ1 Z-Axis Control

Random

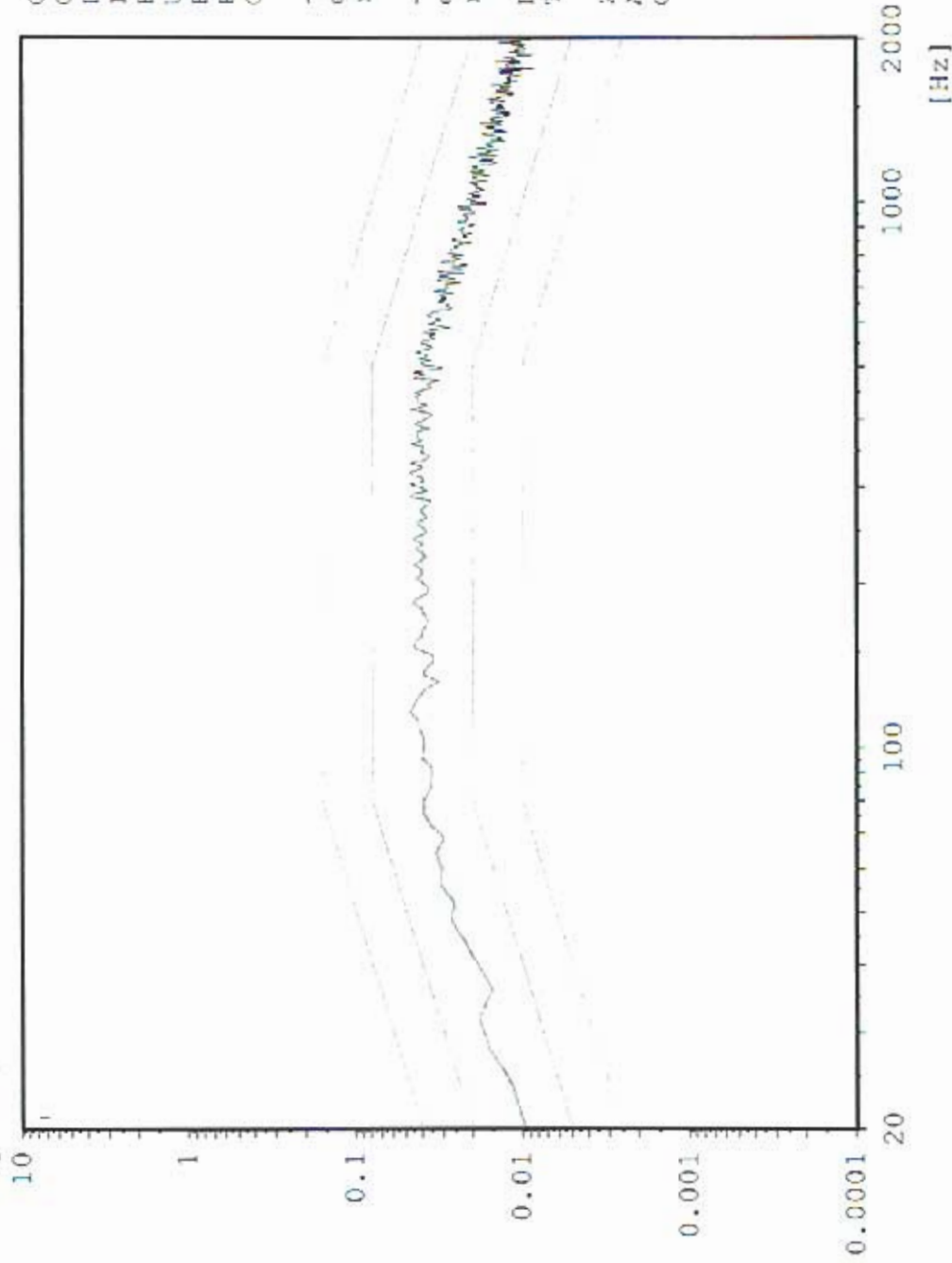
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 1
Chan.type: C
DOF: 126
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 6.82 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Cursor: 348 Hz 1.046 g²/Hz

AZ4 TPS Boss 2

Random

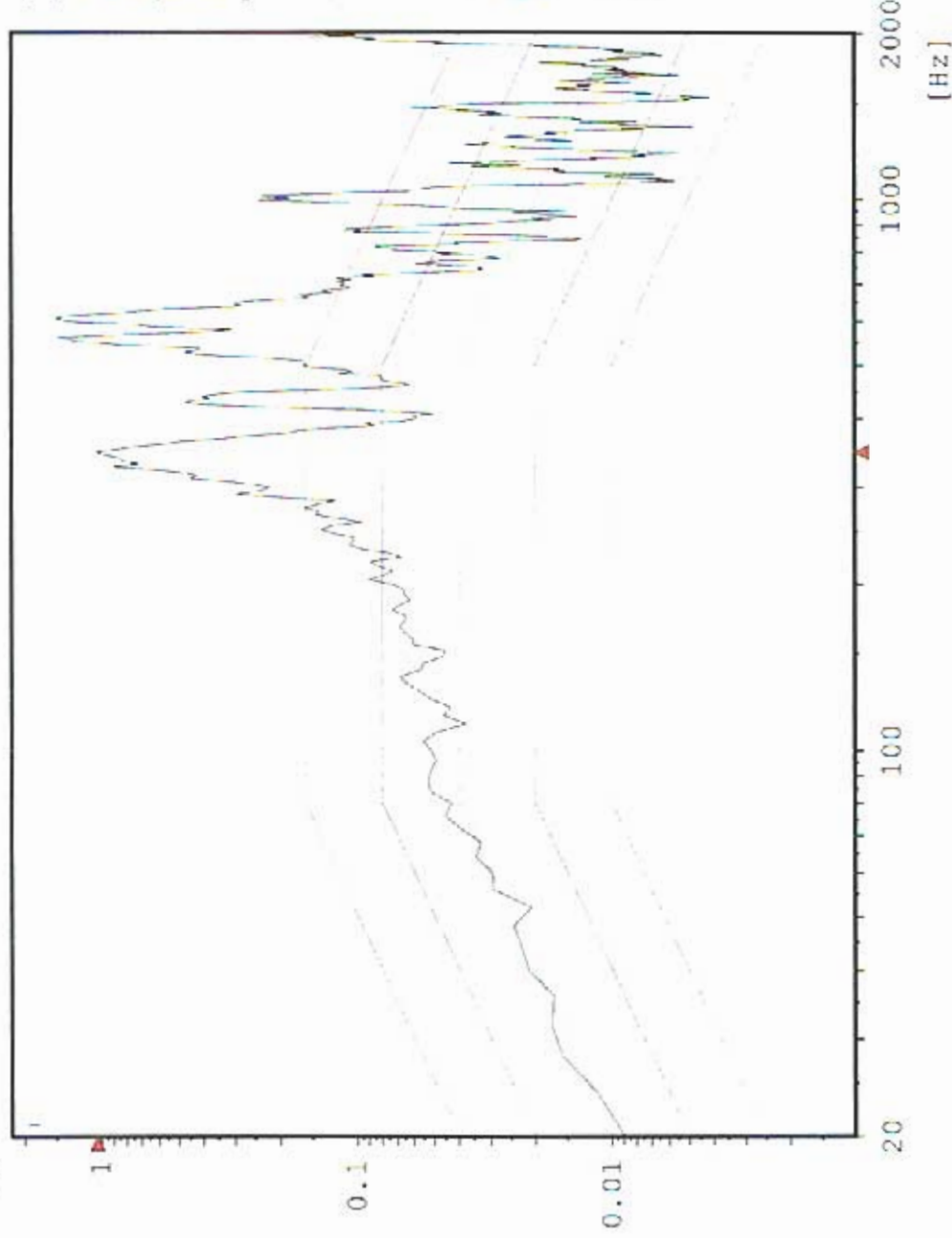
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
Instruments

[g²/Hz]



Chan.no: 2
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 15.71 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Cursor: 348 Hz 1.553 g²/Hz

Random

AZ3 TPS Boss 1

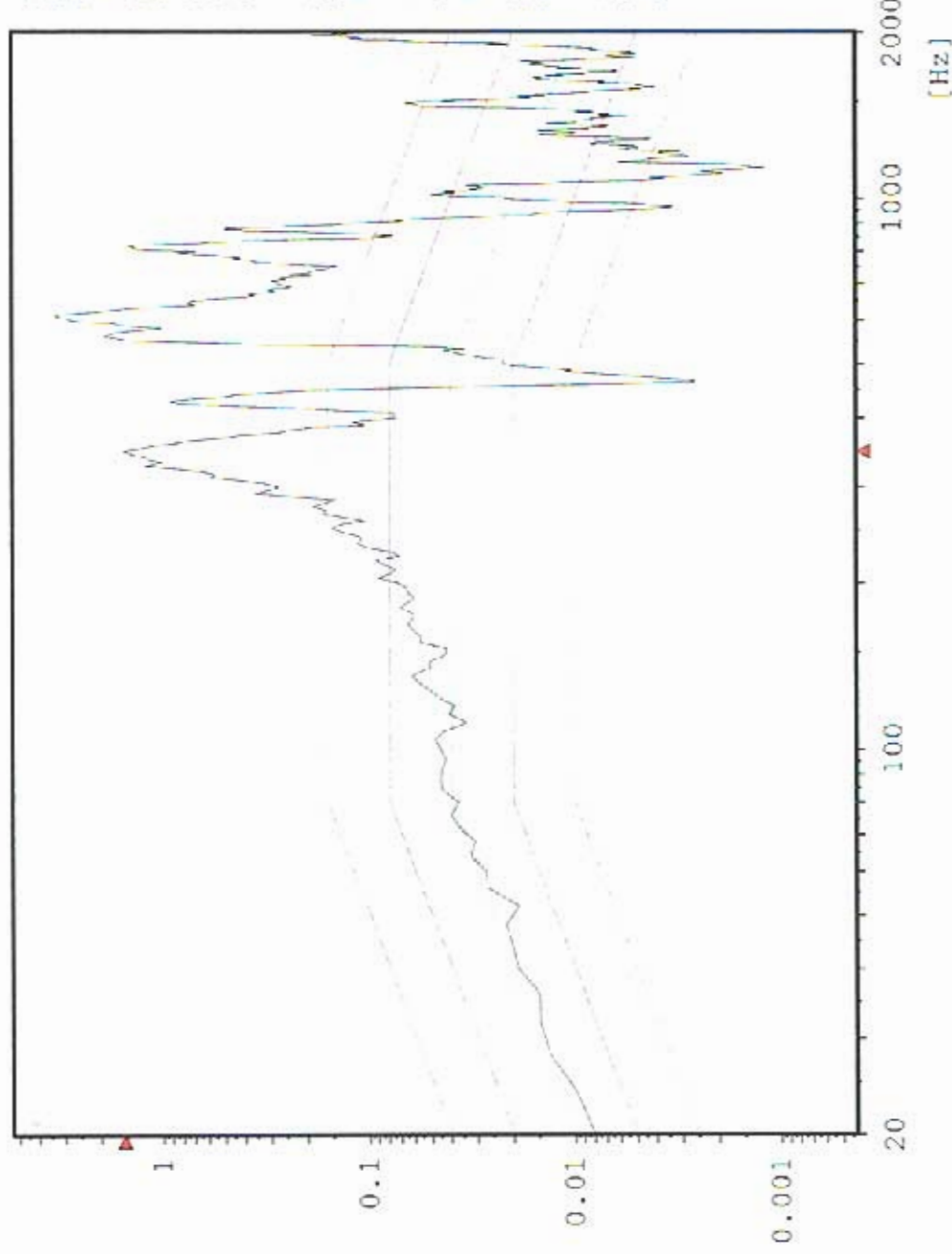
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
laboratories

[g²/Hz]



Chan.no: 3
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 20.65 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Max: 444 Hz 2.421 g²/Hz

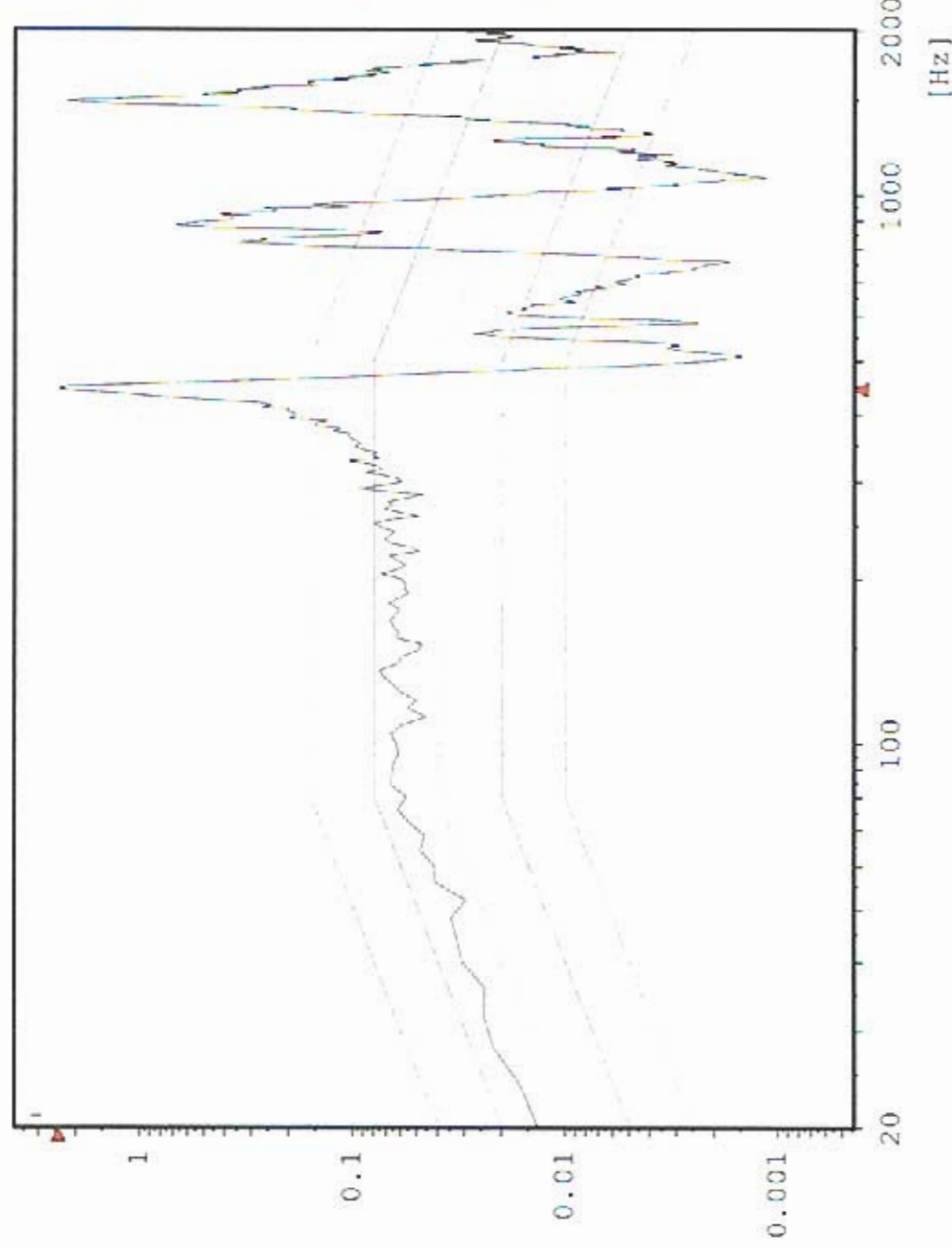
Random AZ5 TEM Bottom Edge

Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

[g²/Hz]



wyle
laboratories

Chan.no: 5
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: 000:01:01
remaining: 000:00:-1

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

Date: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Cursor: 424 Hz 0.3893 g²/Hz

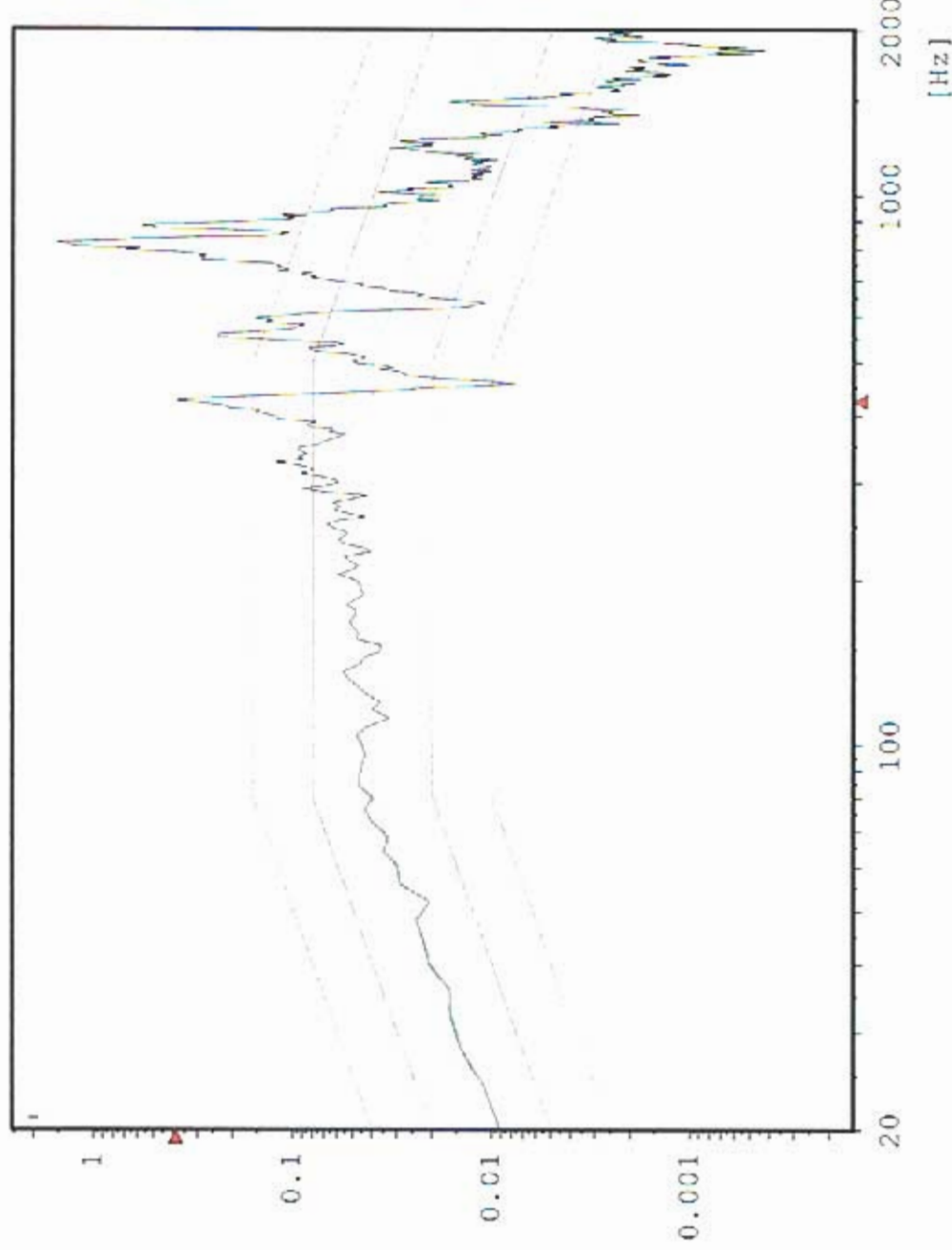
Random AZ1 TPS Edge Center

Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

[g²/Hz]



wyle
Laboratories

Chan.no: 6 X
Chan.type: 100
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 11.74 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Max: 448 Hz 84.65 g²/Hz

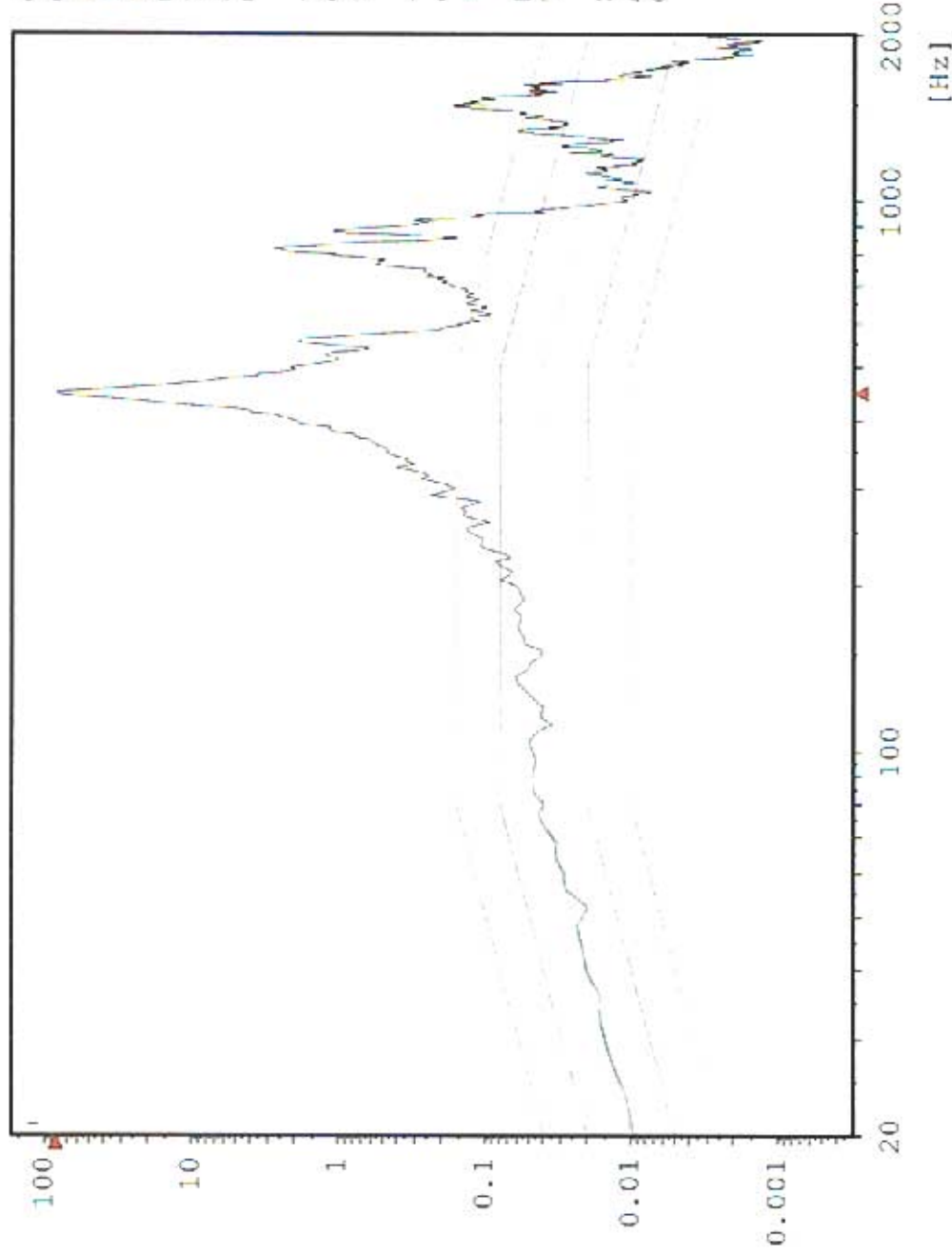
Random AZ6 TEM Bottom Center

Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

[g²/Hz]



wyle
laboratories

Chan.no: 8
Chan.type: M
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 47.76 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

Cursor: 424 Hz 1.117 g²/Hz

Random

AZ2 TPS Corner

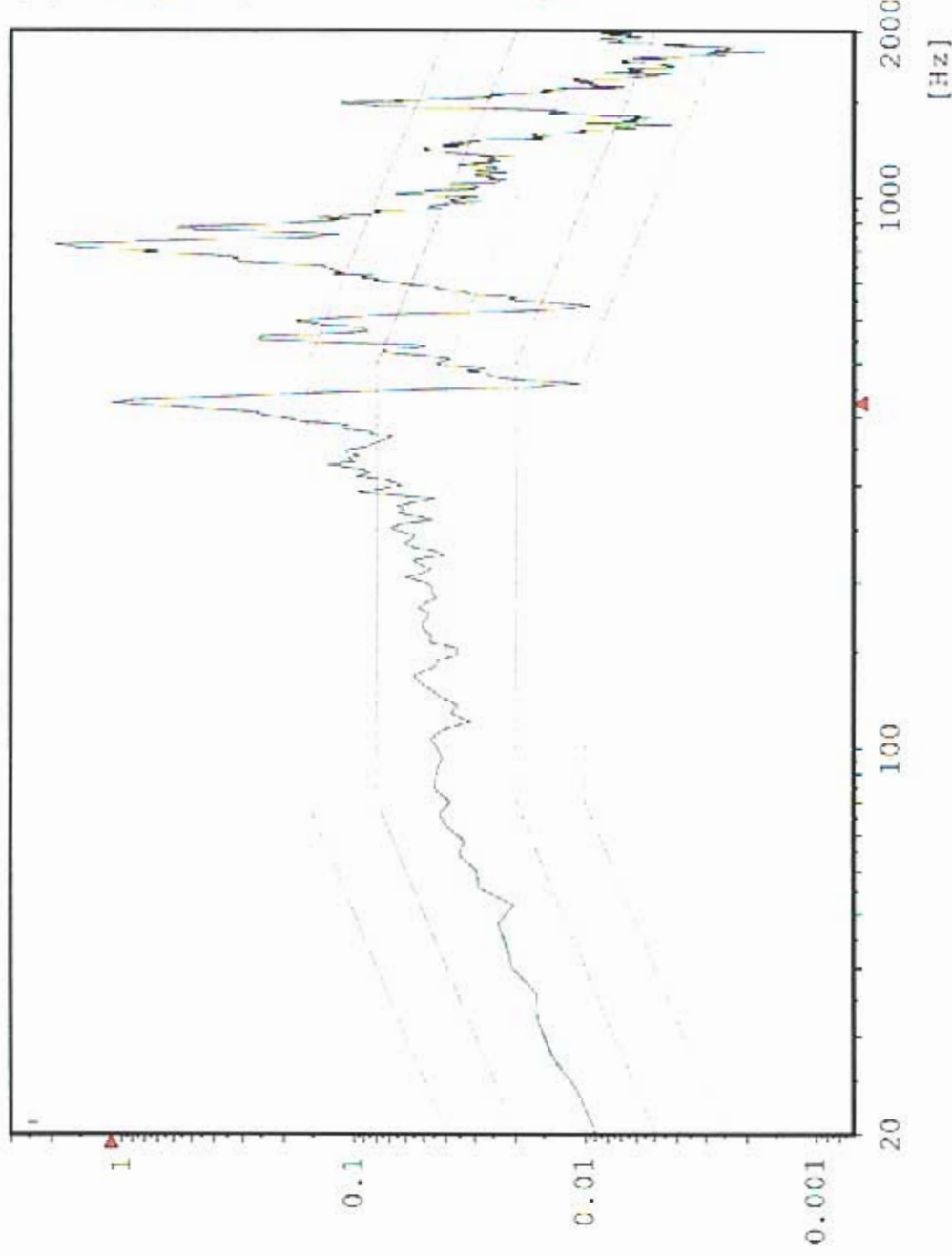
Stanford Linear Accelerator

J/N 49995.52000

TEM & TPS

wyle
Instruments

[g²/Hz]



Chan.no: 10 M
Chan.type: 100
DOF: 100
Level: 0.0 dB
Resolution: 4 Hz
Unit: g²/Hz
RMS (act.): 13.42 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: 05-24-05
Time: 16:18:22

Z - Axis
Acceptance Unit
GLAT 1831

CZ1 Z-Axis Control

Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

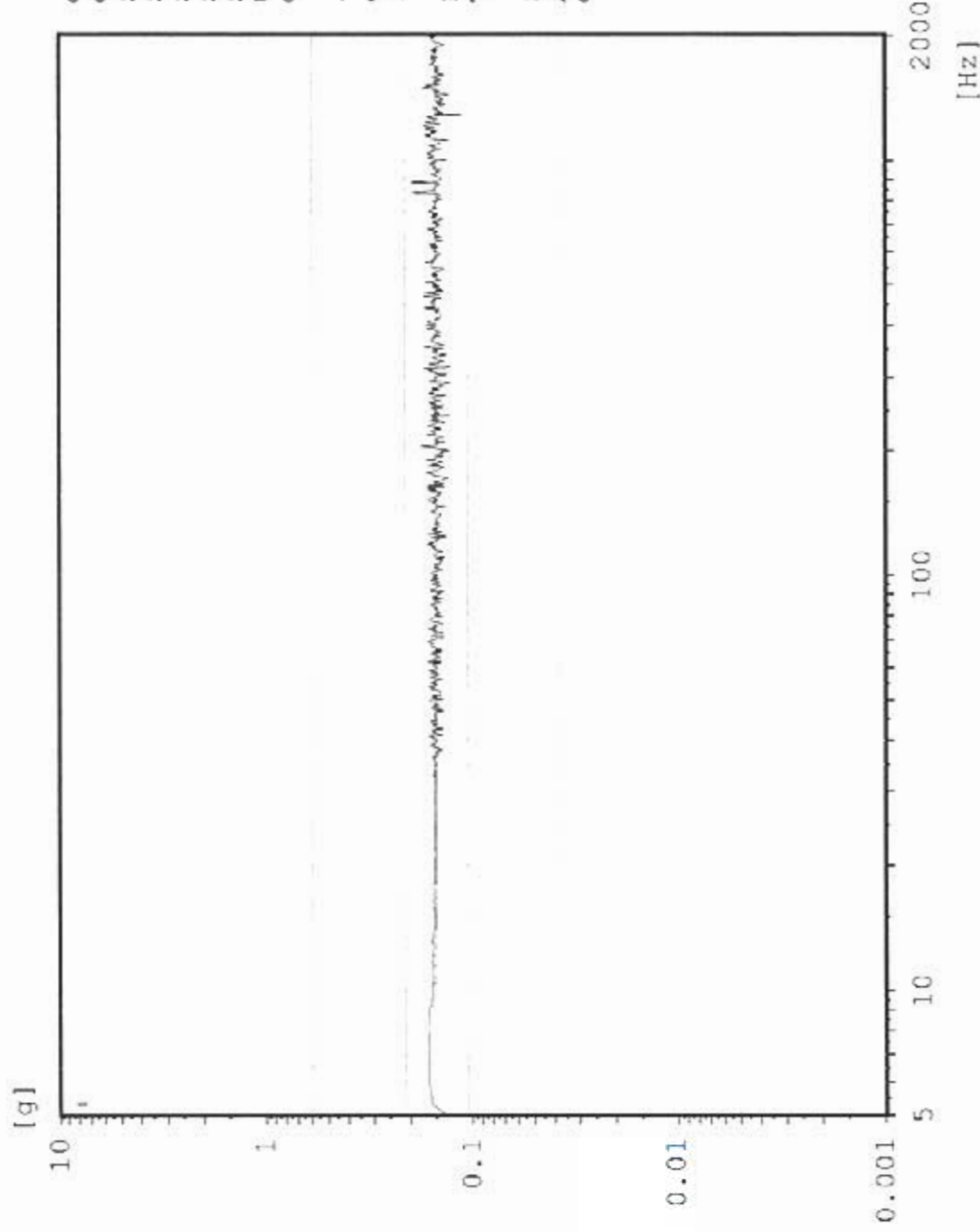
wyle
laboratories

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: 05-24-05
Time: 16:28:42

Z - axis Post Random
Acceptance Unit
GLAT 1831



AZ4 TPS Boss 2

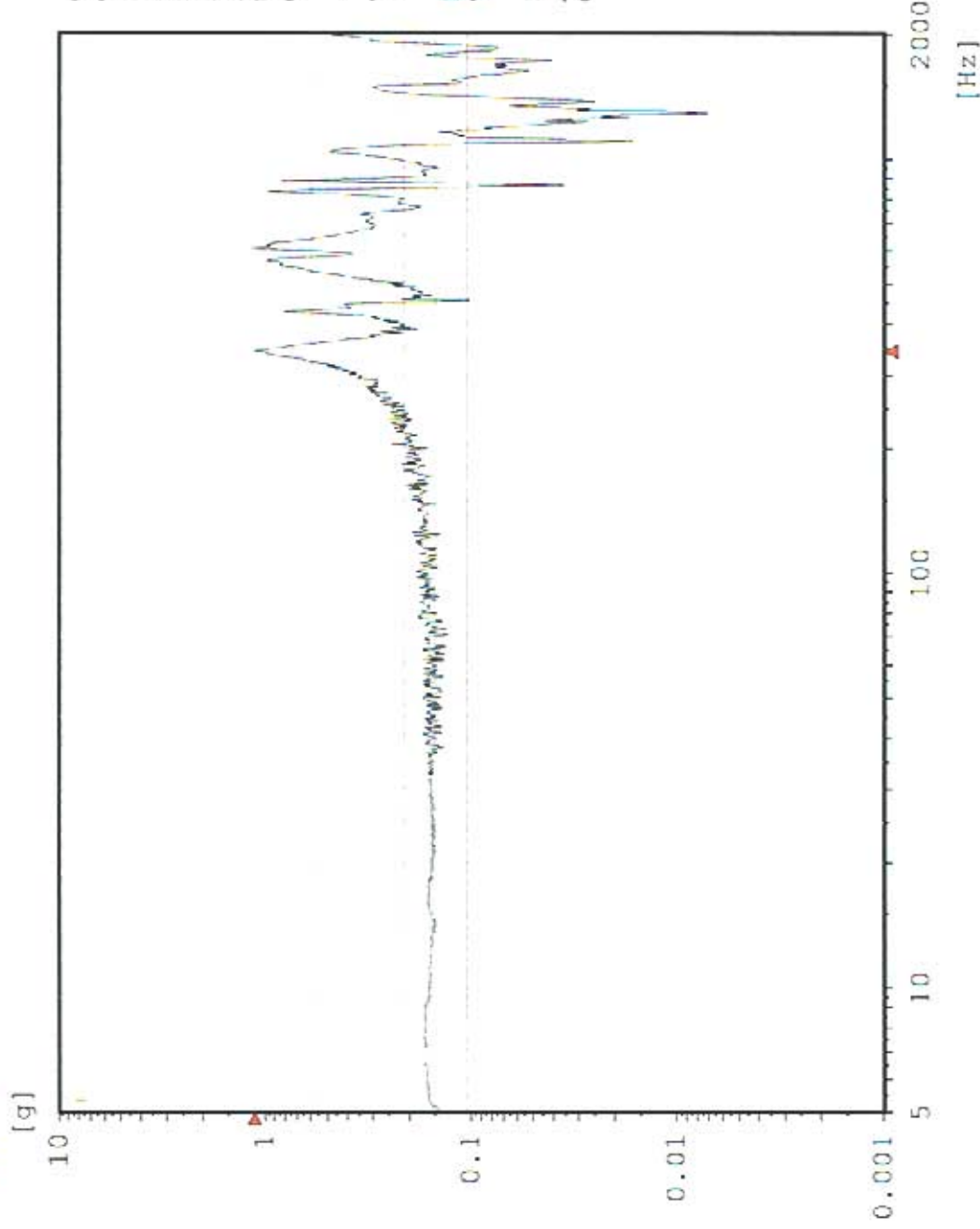
Sine

Stanford Linear Accelerator

J/N 49995.52000

TEM / TPS

wyle
laboratories



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: 05-24-05
Time: 16:28:42

Z - axis Post Random
Acceptance Unit
GLAT 1831

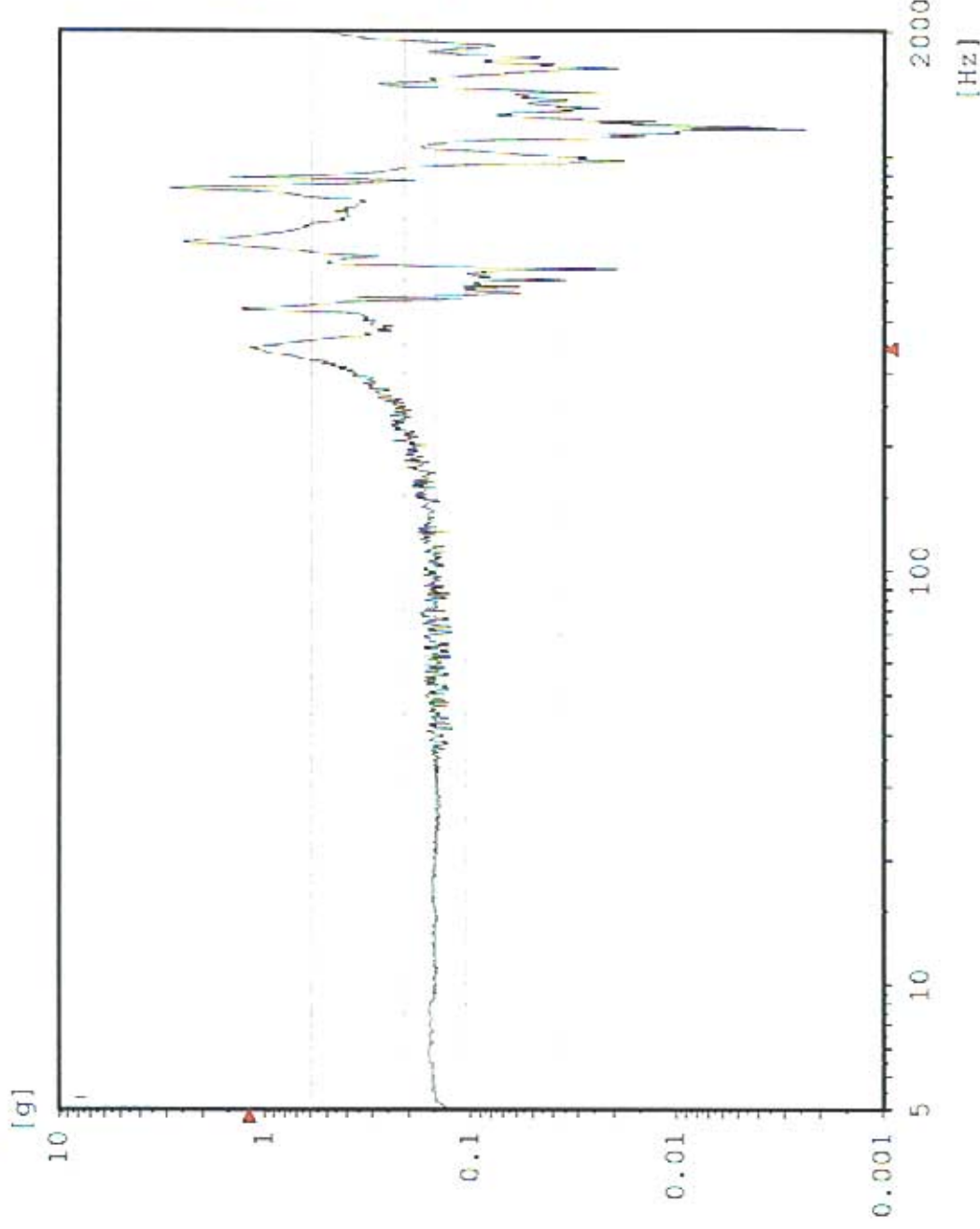
AZ3 TPS Boss 1

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: 05-24-05
 Time: 16:28:42

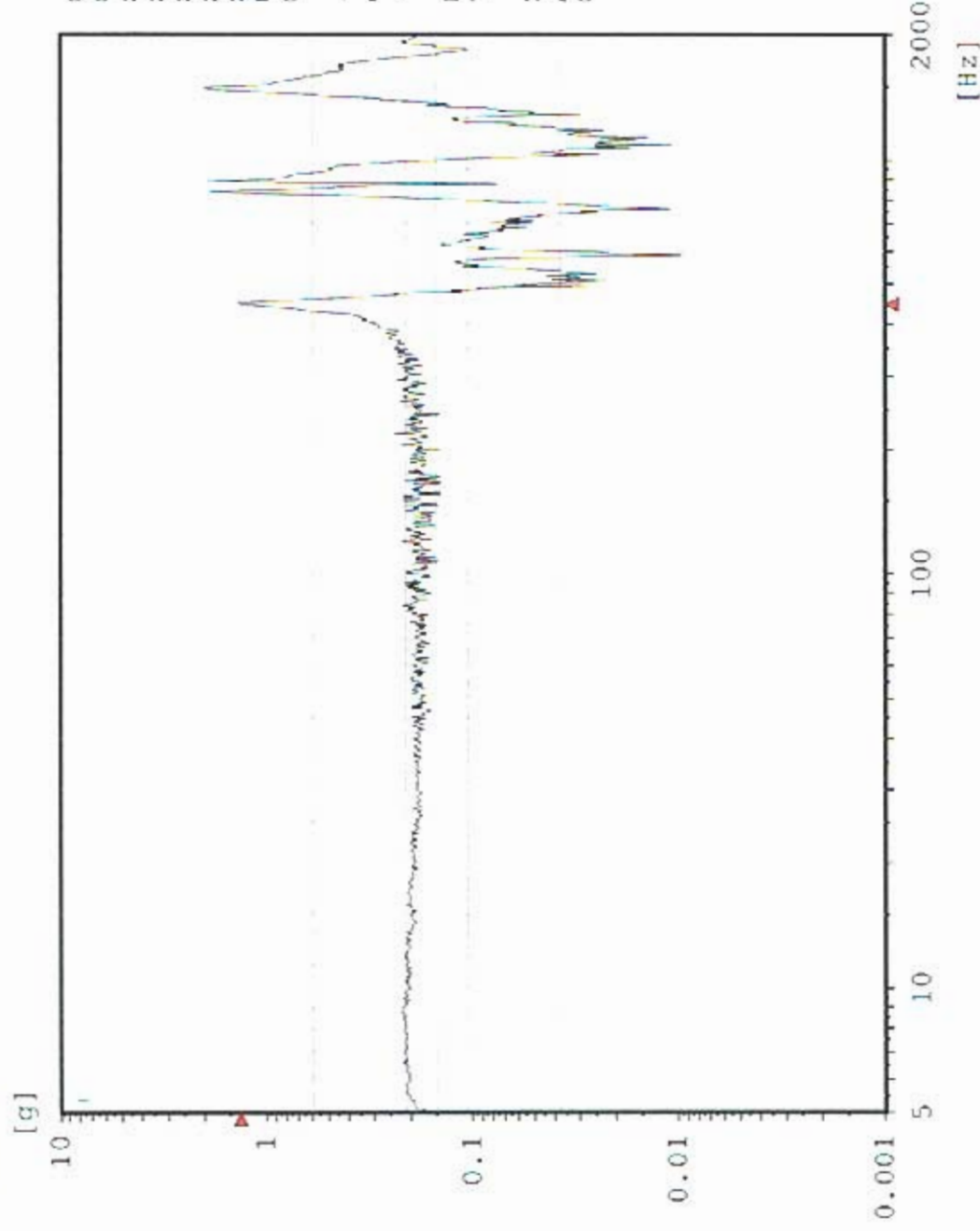
Z - axis Post Random
 Acceptance Unit
 GLAT 1831

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

Date: 05-24-05
 Time: 16:28:42

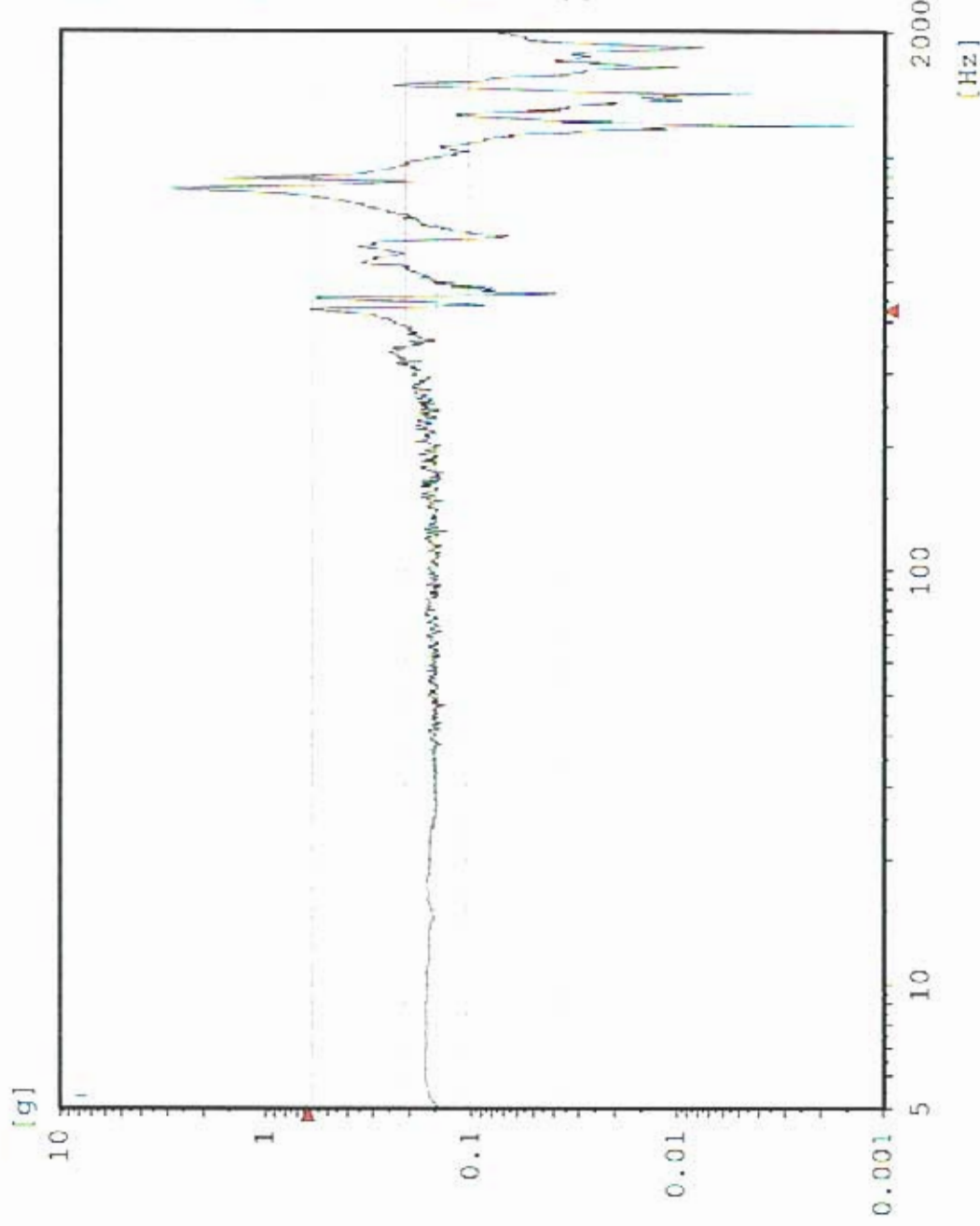
Z - axis Post Random
 Acceptance Unit
 GLAT 1831

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: :
 Sweeps req.: :
 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: 05-24-05
 Time: 16:28:42

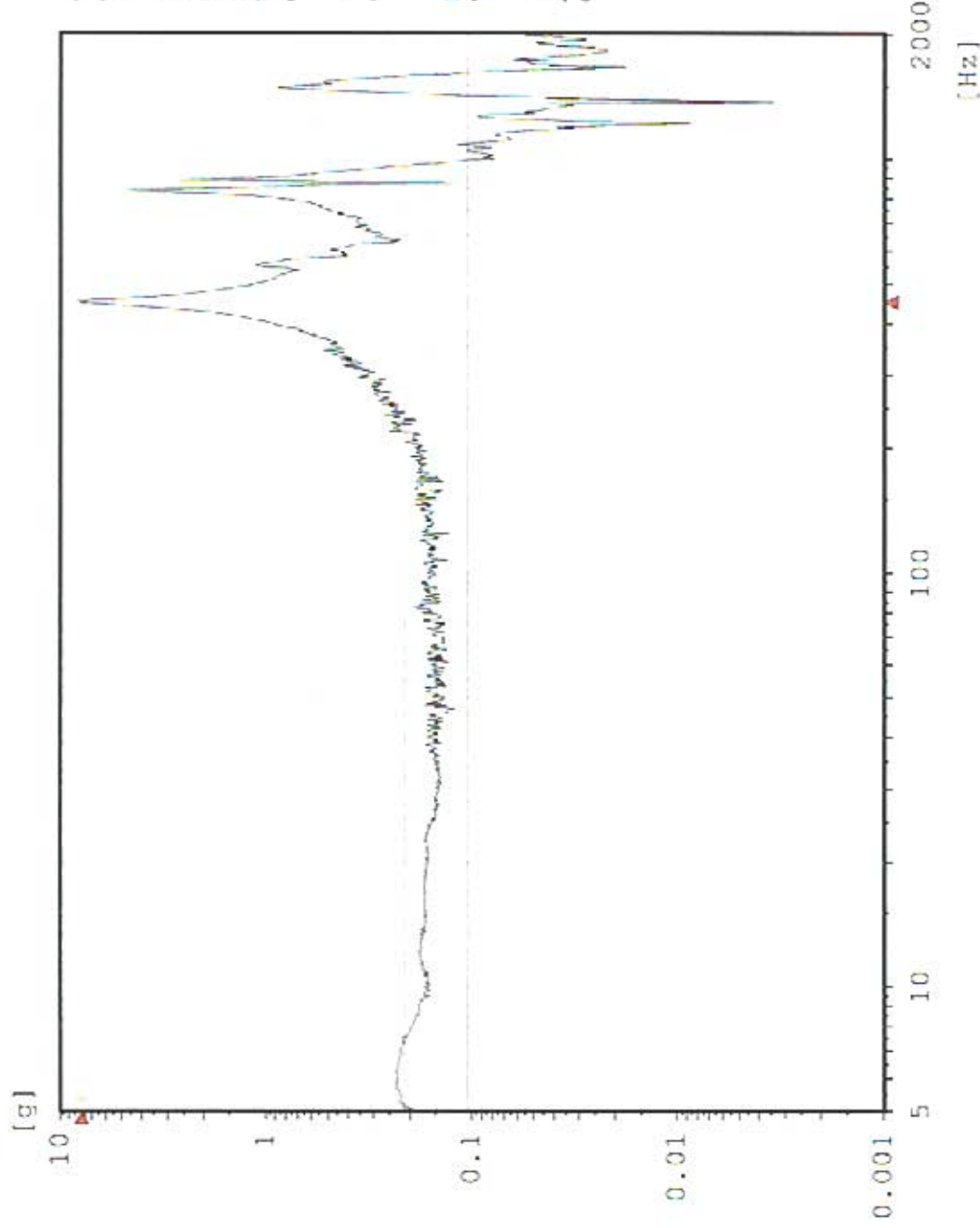
Z - axis Post Random
 Acceptance Unit
 GLAT 183:

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

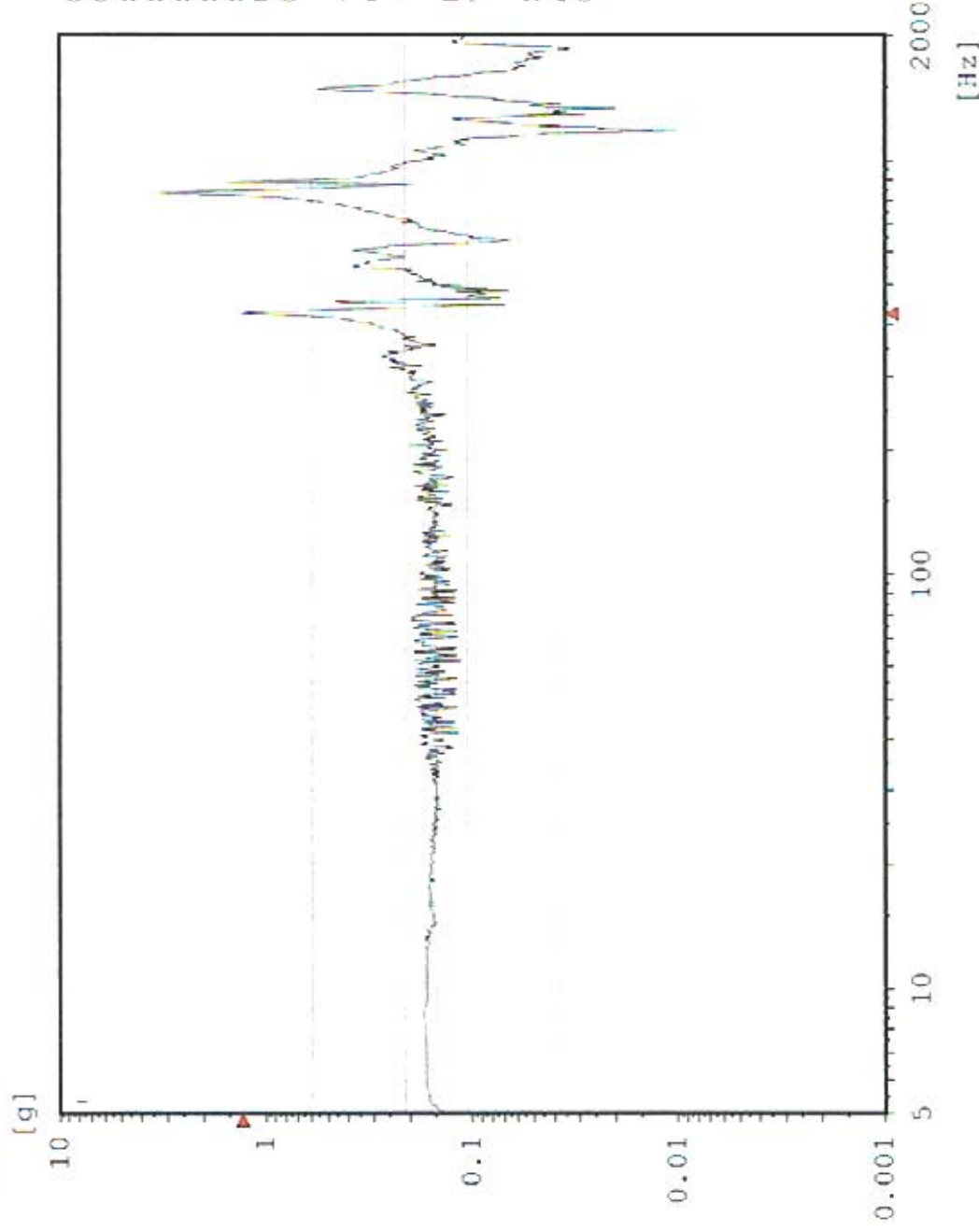
-- Testing time --
 elapsed: 000:04:18
 remaining: 000:00:00

Date: 05-24-05
 Time: 16:28:42

Z - axis Post Random
 Acceptance Unit
 GLAT 1831

Sine AZ2 TPS Corner

Stanford Linear Accelerator
J/N 49995.52000
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: 05-24-05
Time: 16:28:42

Z - axis Post Random
Acceptance Unit
GLAT 1831