

GLAT 2525

Appendix B - Test Log

GLAST LAT Project GASU/PDU/SIU/EPU/HIB Vibration Testing Test Log								
Date	Time	Unit #	Axis	Sine/Random	Level (g)/(grms)	Frequency (Hz)	File Name	Remarks
3/30/06	9:20	GLAT2525	X	Sine Sweep	0.15	5-2000		
	11:30		X	Sine	1.2 etc	5-50		
	11:35		X	Sweep	0.15	5-2000		
	11:40		X	Rand-Acc	3.91	20-2000		
	11:45		X	Sweep	0.15	5-2000		
	12:15		Y	Sweep	0.15	5-2000		
	12:20		Y	Sine	1.12 etc	5-5000		
	12:25		Y	Rand-Acc	3.91	20-2000		
	12:40		Y	Sweep	0.15	5-2000		
	8:35		Z	Sweep	0.15	5-2000		
	8:45		Z	Sine	1.2 etc	5-50		
	8:50		Z	Random	3.91	20-2000		
	8:55		Z	Sweep	0.15	5-2000		

Hard copies of this document are for REFERENCE ONLY and should not be considered the latest revision beyond the date of printing.

Appendix C – Procedure Variation

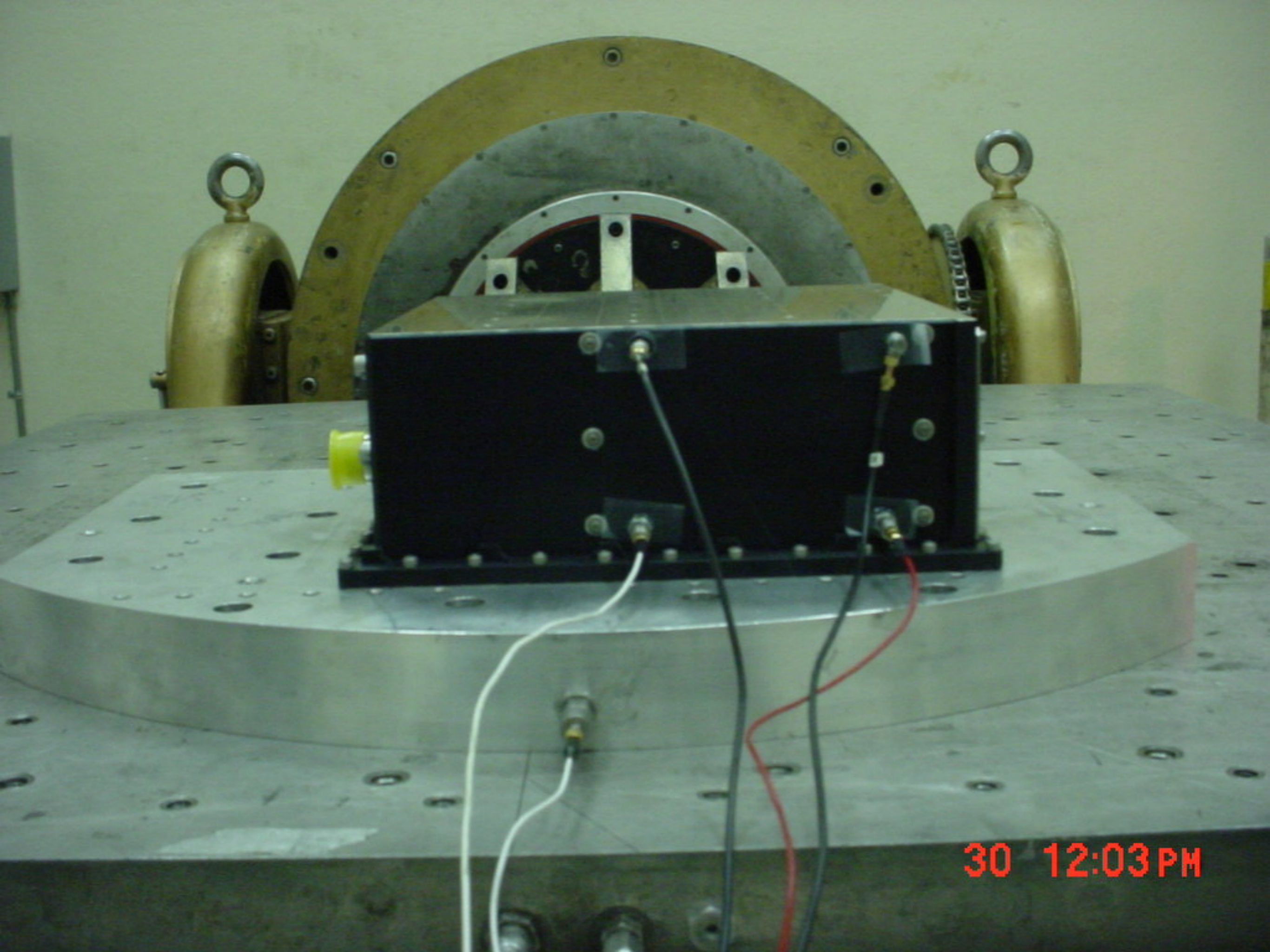
GLAST LAT Project GASU/PDU/SIU/EPU/HIB Vibration Testing Procedure Variation				
Date	Axis	Test Setup	Installation Step Description	RE/QA Approval
	N/A		Incoming Visual Inspection	
3/30	Z	✓	Torque vibration fixture bolts to shaker to 25 ft-lb (300 in-lb)	RJ
3/30	Z	✓	Torque GASU/PDU/SIU/EPU/HIB to vibration fixture to 16.7 in-lb.	RJ
3/30	Z	✓	Confirm accelerometer installation	RJ
3/30	X	✓	Torque vibration fixture bolts to shaker to 25 ft-lb (300 in-lb)	RJ
3/30	X	✓	Torque GASU/PDU/SIU/EPU/HIB to vibration fixture to 16.7 in-lb.	RJ
3/30	X	✓	Confirm accelerometer installation	RJ
3/30	Y	✓	Torque vibration fixture bolts to shaker to 25 ft-lb (300 in-lb)	RJ
3/30	Y	✓	Torque GASU/PDU/SIU/EPU/HIB to vibration fixture to 16.7 in-lb.	RJ
3/30	Y	✓	Confirm accelerometer installation	RJ
Date	Axis	Test Setup	Test Variation Description	RE/QA Approval

Appendix D –Test Data Package Checklist

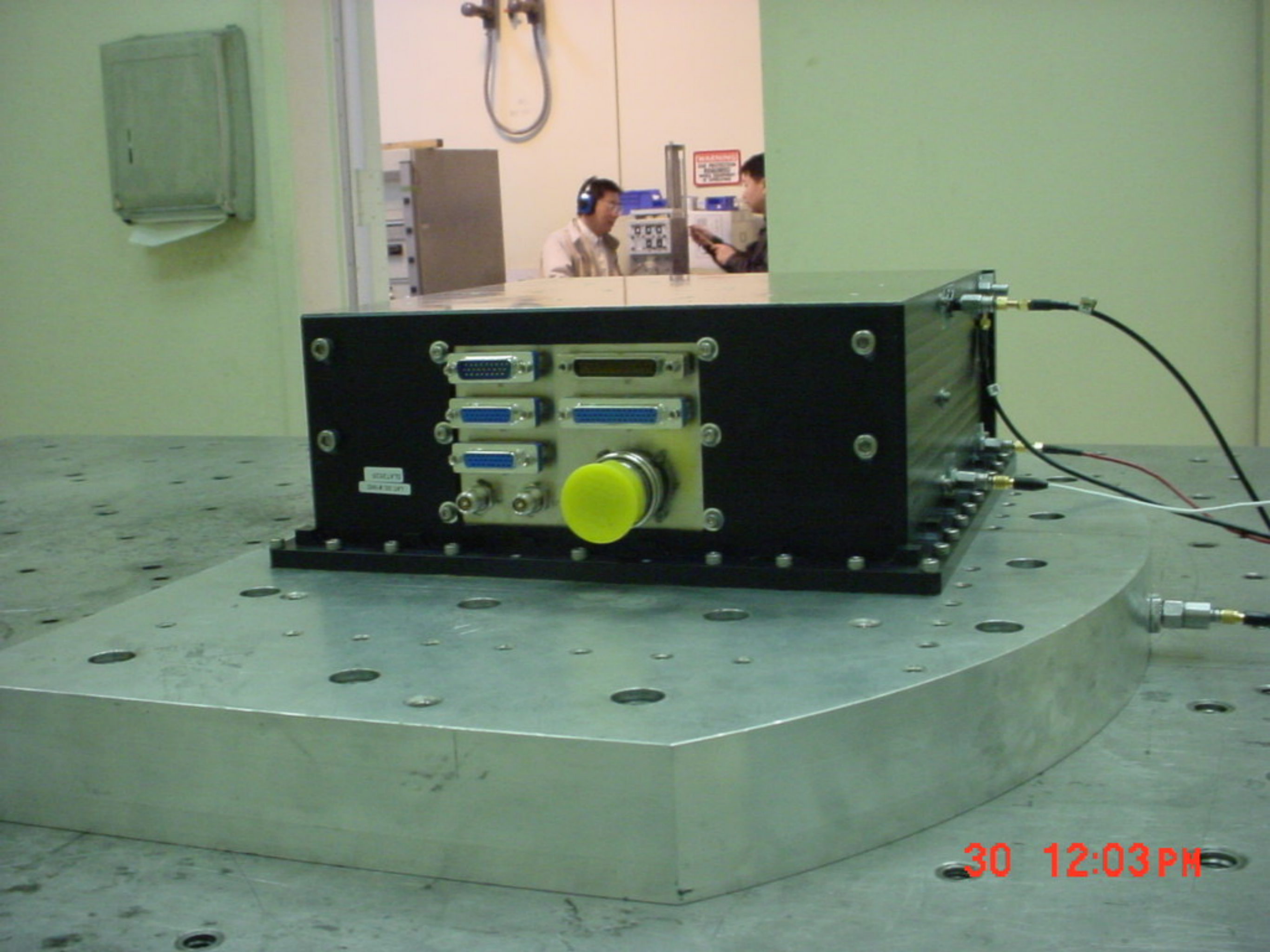
GLAST LAT Project GASU/PDU/SIU/EPU/HIB Vibration Testing Qualification/Acceptance Test Data Package Checklist (Items supplied by test lab at end of test)		
Item		Description/Location
1	✓	Calibrated Equipment List
2	✓	Vibration Test Plots (Pre- and Post test signature overlays and random vibration test data for X, Y, and Z axes)
3	✓	Electronic Data in UFF or equivalent format, if available
4	✓	Photographs of test setup
5	✓	Procedure data sheets (Appendices A, B, and C)
6	N/A	Visual Inspection Report
7	N/A	Test Control System Software Setup Sheets

LIST OF CALIBRATED ACCELEROMETERS UPDATED ON 03/20/2006

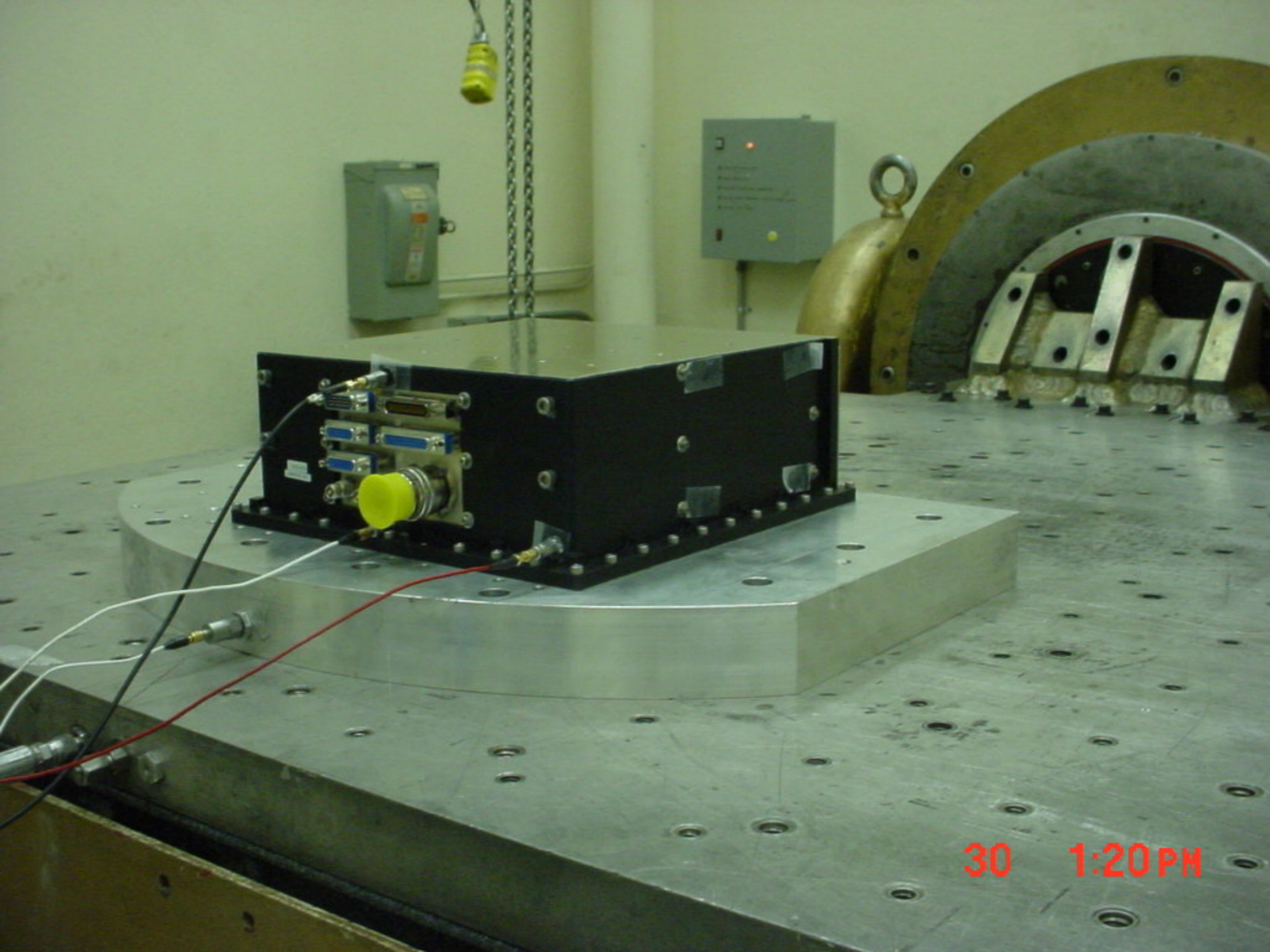
MODEL	MAKE	SERIAL	ASSET CONTROL	SENSITIVITY (mv/G)	DATE PUT TO SERVICE	CAL DATE	DUE DATE	FREQ. UP TO (Hz)	RANGE IN G	REMARK	NO.
3141A	DYTRAN	117	QL-0193	101.47	06-22-89	10-04-05	10-04-06	2000	50	in service	1
3141A	DYTRAN	104	QL-0196	106.1	06-29-89	10-04-05	10-04-06	2000	50	in service	2
3132A	DYTRAN	101	QL-0194	96.5	06-29-89	10-04-05	10-04-06	2000	50	in service	3
3055A2	DYTRAN	455	QL-0699	101.36	02-16-04	12-19-05	12-19-06	2000	50	in service	4
3055A2	DYTRAN	425	QL-0697	105.18	02-16-04	12-19-05	12-19-06	2000	50	in service	5
3055A2	DYTRAN	456	QL-0700	103.22	02-16-04	12-02-05	12-02-06	2000	50	in service	6
3055A2	DYTRAN	457	QL-0701	103.72	02-16-04	12-27-05	12-27-06	2000	50	in service	7
3055A2	DYTRAN	458	QL-0702	101.75	02-16-04	12-27-05	12-27-06	2000	50	in service	8
3055A2	DYTRAN	424	QL-0696	101.7	02-16-04	12-28-05	12-28-06	2000	50	in service	9
3055A2	DYTRAN	454	QL-0698	101.34	02-16-04	12-27-05	12-27-06	2000	50	in service	10
7254-10	ENDEVCO	AE26	QL-0408	9.92	02-14-01	03-08-06	03-08-07	2000	500	in service	11
7254-10	ENDEVCO	AE32	QL-0409	9.7	02-14-01	03-08-06	03-08-07	2000	500	in service	12
7254-10	ENDEVCO	AE25	QL-0410	10.35	10-23-03	10-05-05	10-05-06	2000	500	in service	13
7254-10	ENDEVCO	AE31	QL-0411	9.68	10-24-03	10-05-05	10-05-06	2000	500	in service	14
7254-10	ENDEVCO	AE21	QL-0412	9.62	10-27-03	10-05-05	10-05-06	2000	500	in service	15
7254-10	ENDEVCO	AE24	QL-0413	9.95	10-27-03	10-05-05	10-05-06	2000	500	in service	16
3030A4	DYTRAN	1380	QL-0220	9.75	07-03-90	10-05-05	10-05-06	2000	500	in service	17
3030A4	DYTRAN	1383	QL-0222	9.8	07-03-90	10-04-05	10-04-06	2000	500	in service	18
3030A4	DYTRAN	1384	QL-0223	9.55	07-03-90	10-04-05	10-04-06	2000	500	in service	19
3030A4	DYTRAN	1385	QL-0224	9.78	07-03-90	10-04-05	10-04-06	1000	500	in service	20
3030A4	DYTRAN	1386	QL-0225	9.72	07-03-90	03-10-06	03-10-07	2000	500	in service	21
3200A5T	DYTRAN	355	QL-0447	1.13	03-02-98	10-11-04	10-04-06	5000	2000	in service	22
3200A5T	DYTRAN	396	QL-0131	1.14		11-05-04	10-04-06	5000	2000	in service	23
3055A2	DYTRAN	423	QL-0695	105.8	02-16-04	12-28-05	12-28-06	2000	50	in service	24
3055A2	DYTRAN	422	QL-0694	103.48	02-16-04	12-19-05	10-04-06	2000	50	in service	25
3055A2	DYTRAN	421	QL-0693	103.89	02-16-04	12-19-05	10-04-06	1000	50	in service	26
RESPONSE ACCELEROMETERS											
3031AG	DYTRAN	241	QL-0241	9	01-02-91	03-08-06	03-08-07	2000	500	in service	27
3031AG	DYTRAN	242	QL-0242	9.06	01-02-91	03-08-06	03-08-07	2000	500	in service	28
3031AG	DYTRAN	244	QL-0244	9.17	01-02-91	11-02-05	11-02-06	2000	500	in service	29
3031AG	DYTRAN	245	QL-0245	9.18	01-02-91	11-02-05	11-02-06	500	500	in service	30
3031AG	DYTRAN	248	QL-0248	9.58	01-02-91	03-08-06	03-10-07	2000	500	in service	31
3121A	DYTRAN	763	QL-0114	46.2	10-02-87	11-05-05	11-05-06	2000	100	in service	32



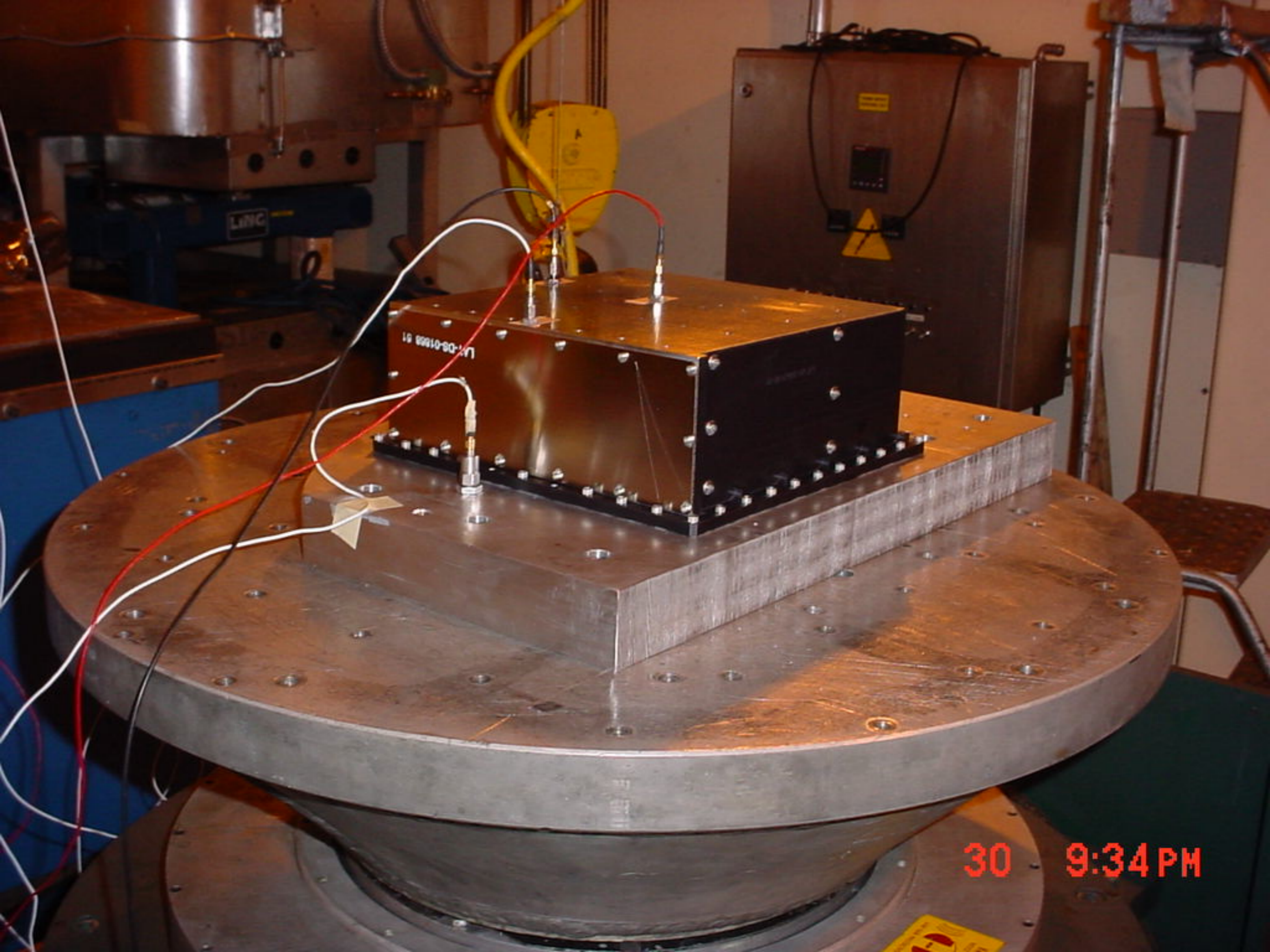
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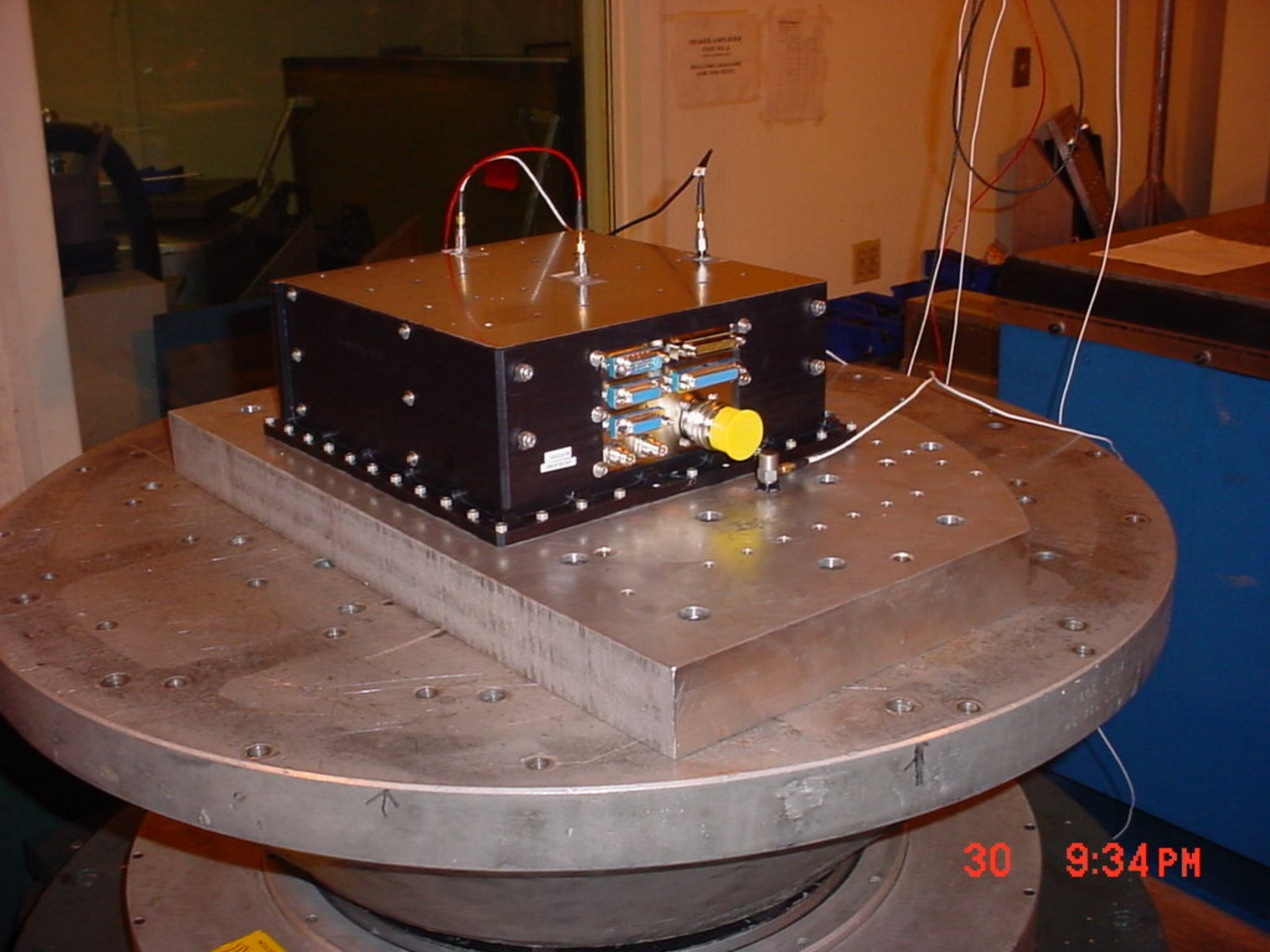


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30 9:34 PM

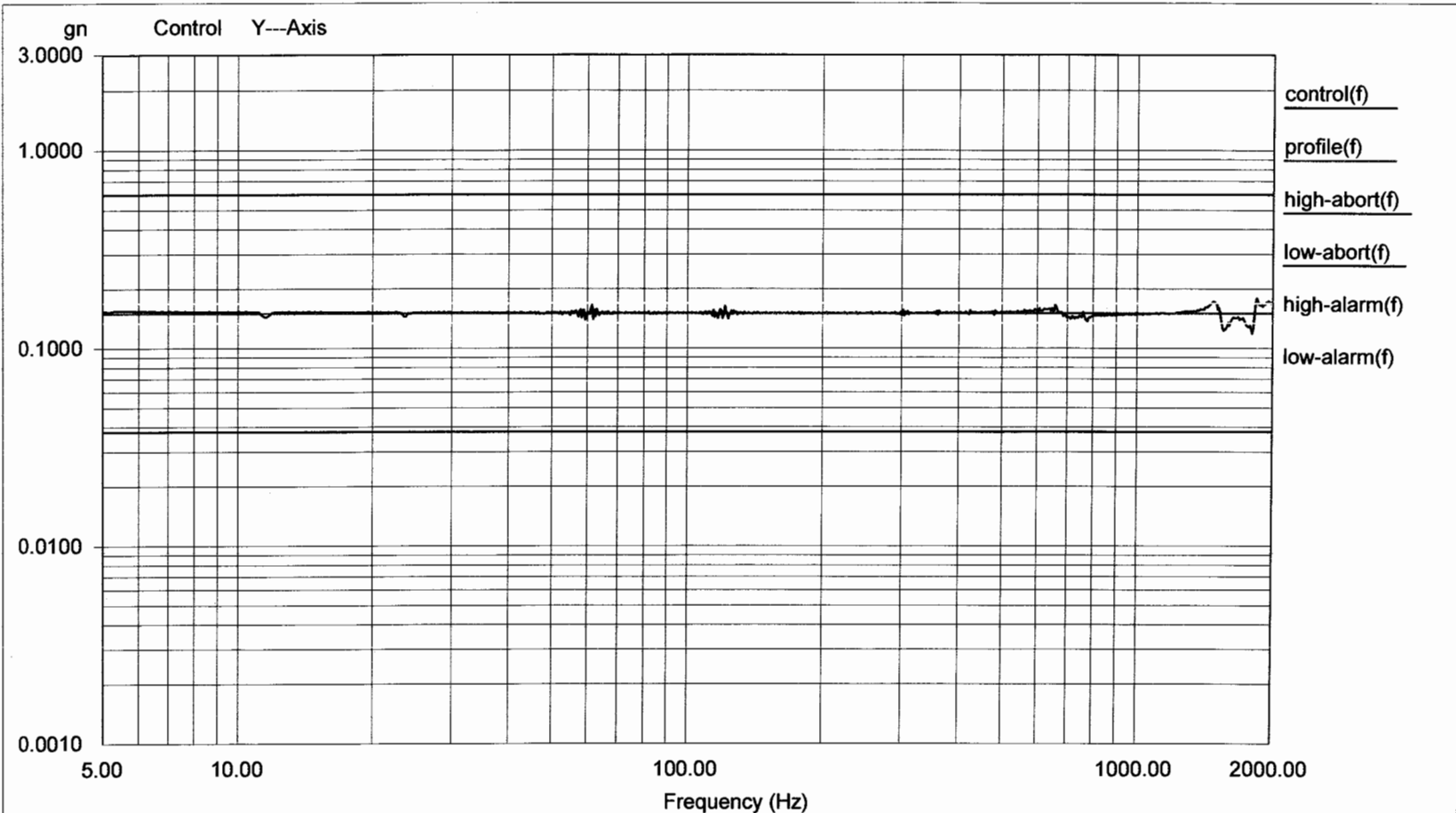
SIU#2525
X-AXIS
PRE-SIG.
3/30/06

QUNANT LABS.
STANFORD LINEAR ACCELERATOR MODEL:FIXTURE
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G

QL-06-258

Test Type: Swept Sine

Run Folder: .\RunDefault Mar 30,2006 09-25-32

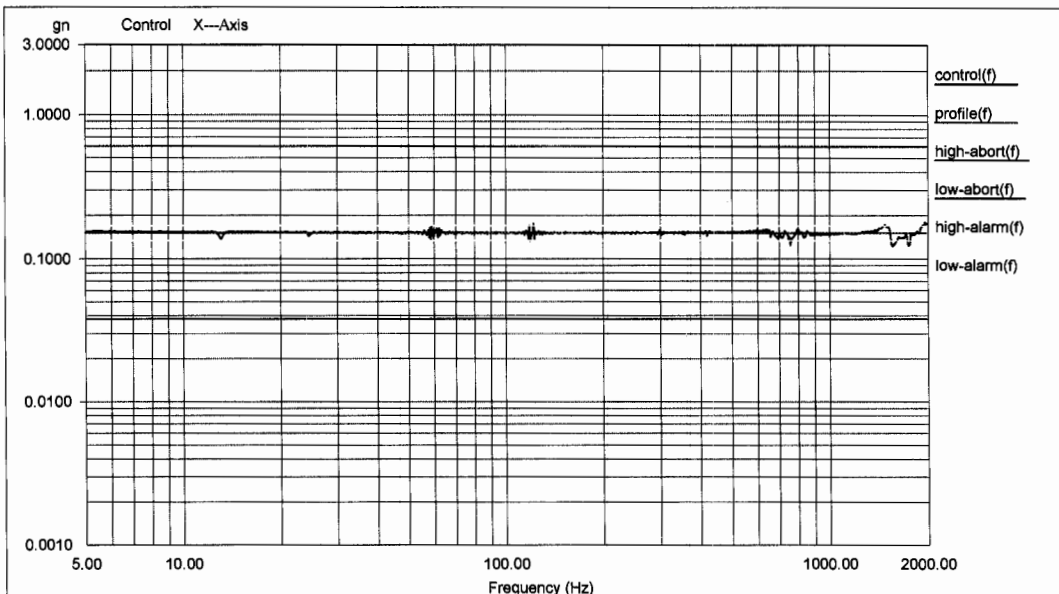


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SIU# 2525
X-AXIS
PRG-516
3/30/06

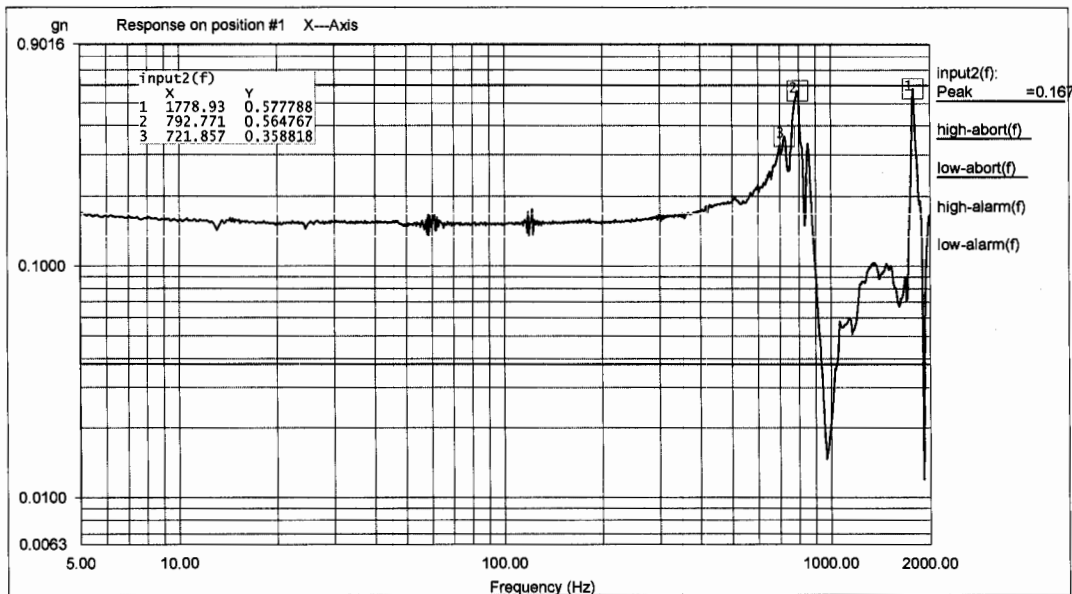
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Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 10-58-34



Level: 100 % Control Peak: 0.173329 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
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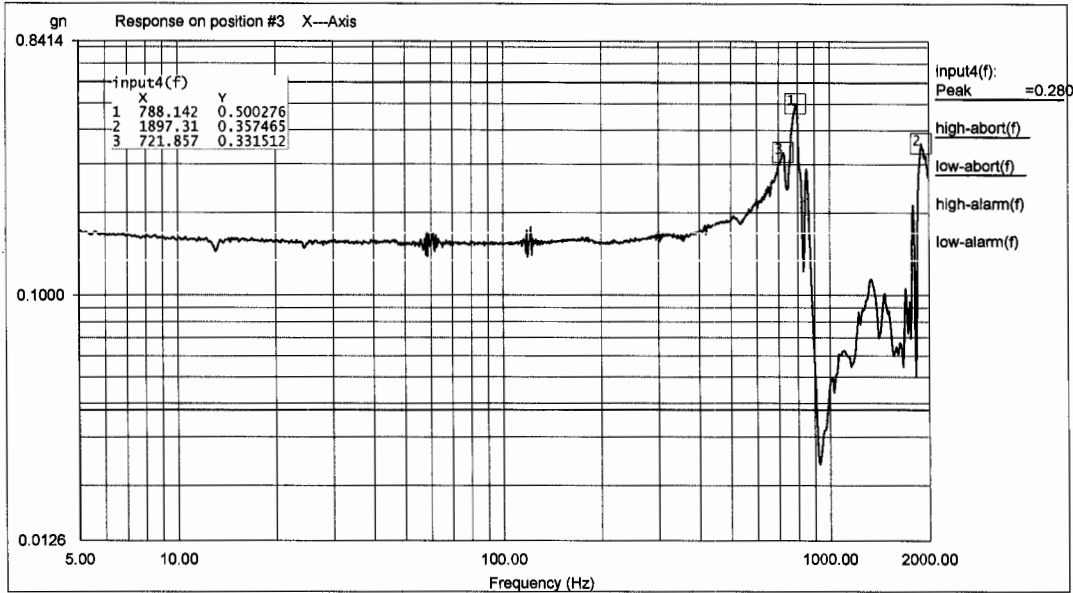


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SIO # 2525
X-AXIS
PRE-SIG
3/30/06

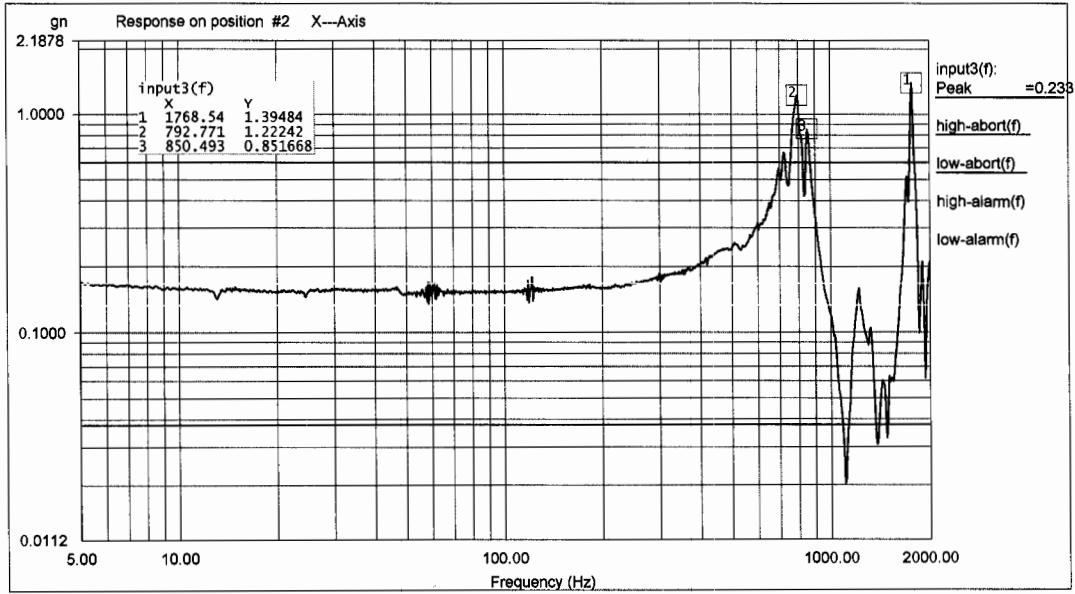
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Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 10-58-34



Level: 100 % Control Peak: 0.173329 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1998.191772 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

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QUNANT LABS. QL-06-258
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Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 10-58-34



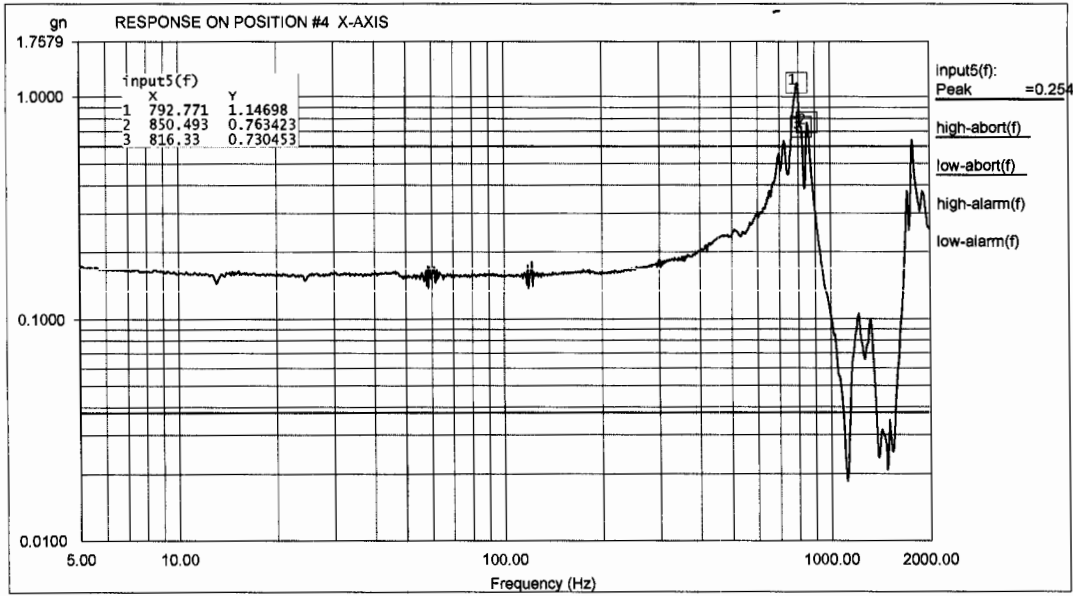
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Frequency: 1998.191772 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:03:19 AM, Thursday, March 30, 2006 Report created at 11:03:21 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
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 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 10-58-34

SIU #2525
 X-AXIS
 PRG-SJG
 3/30/06

④/4



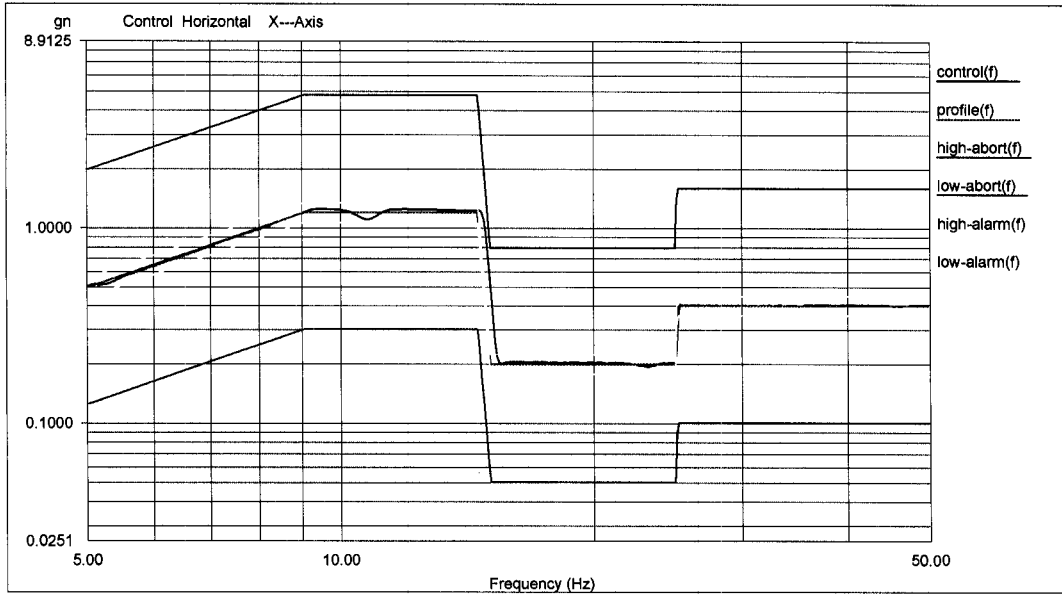
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SIU #2525
 X-AXIS
 SINE
 03/30/06

QUNANT LABS. QL-06-258
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Run Folder: \RunDefault Mar 30,2006 11-21-03

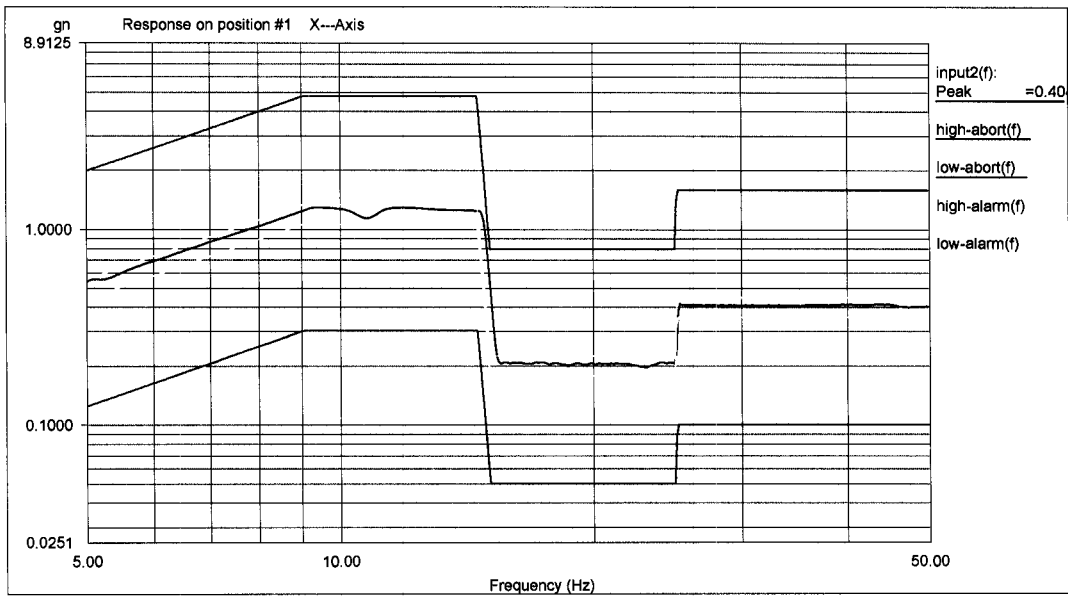


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Run Folder: \RunDefault Mar 30,2006 11-21-03

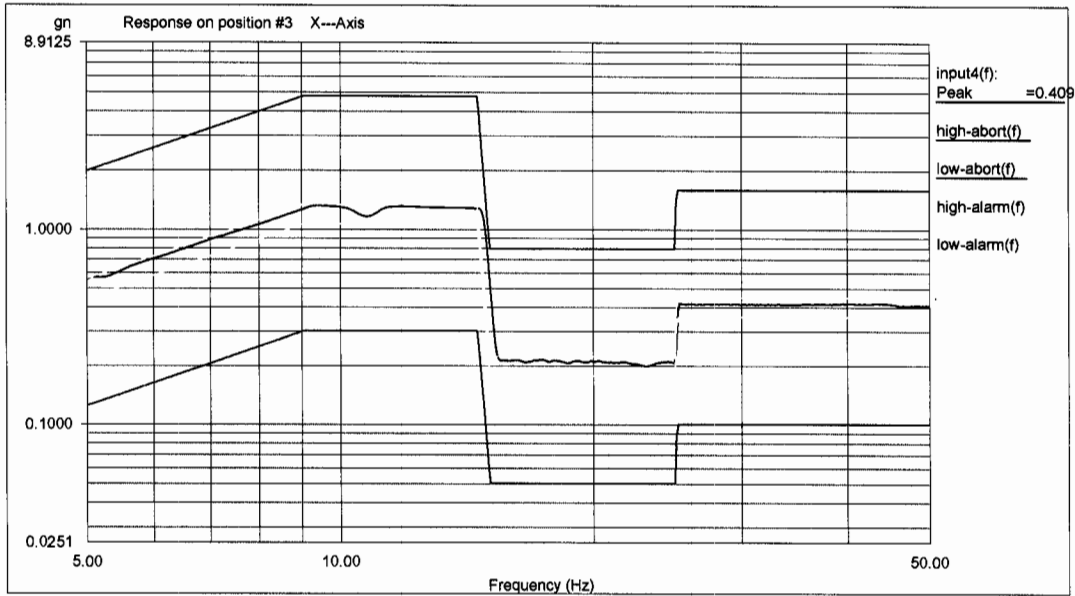


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SIU # 2525
 X-AXIS
 SINE
 03/30/06
 ②/3

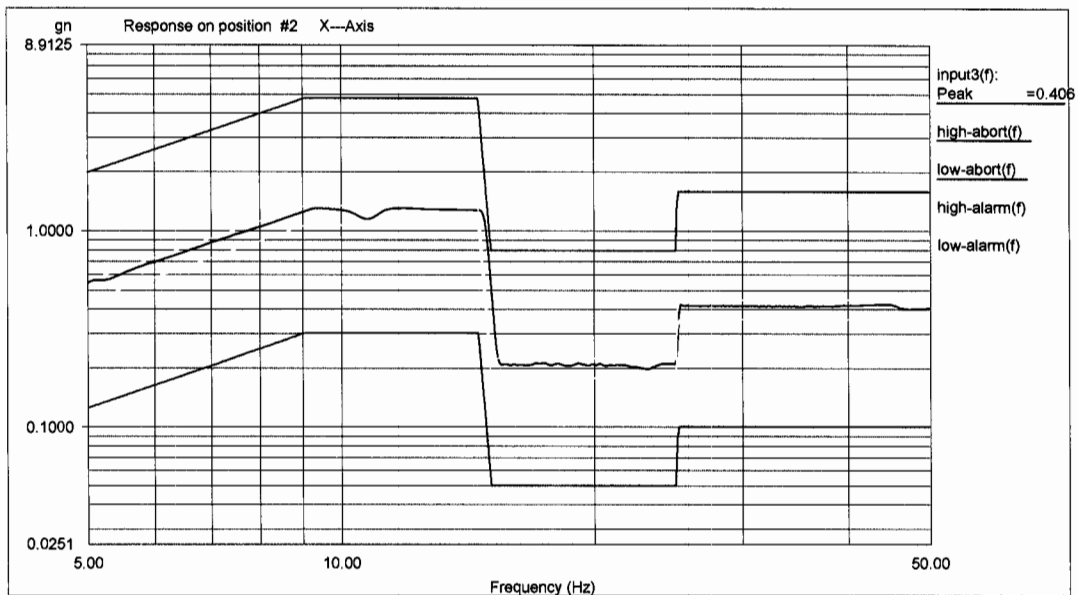
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 Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-21-03



Level: 100 % Control Peak: 0.403889 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.881195 Hz Demand Peak: 0.400000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 11:22:25 AM, Thursday, March 30, 2006 Report created at 11:22:26 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST X-AXIS
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 Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-21-03



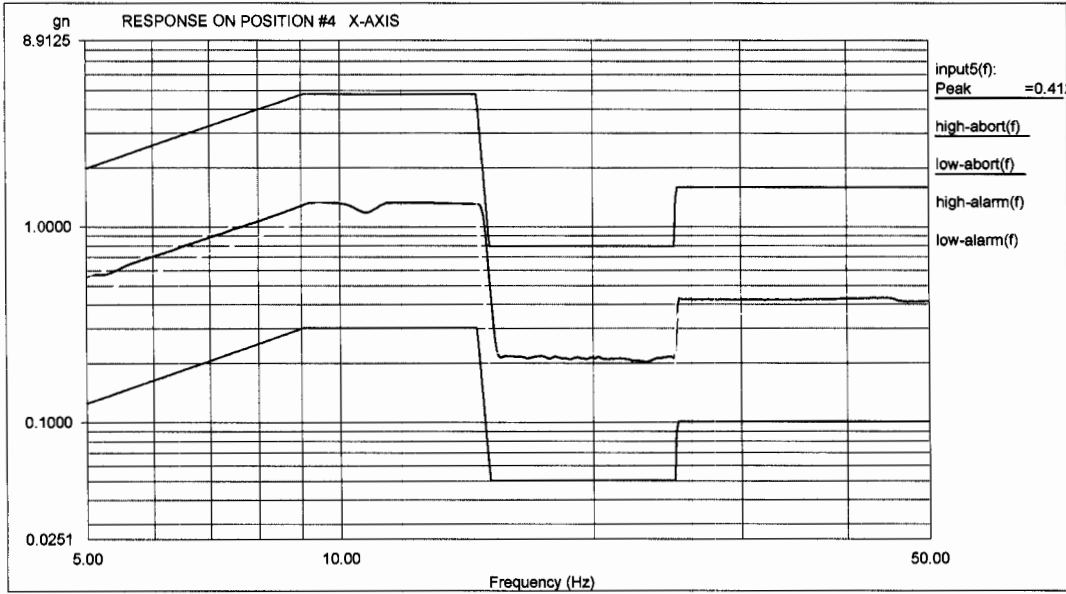
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SIU #2525
X-AXIS
SINE
03/30/06

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST X-AXIS
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Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 11-21-03

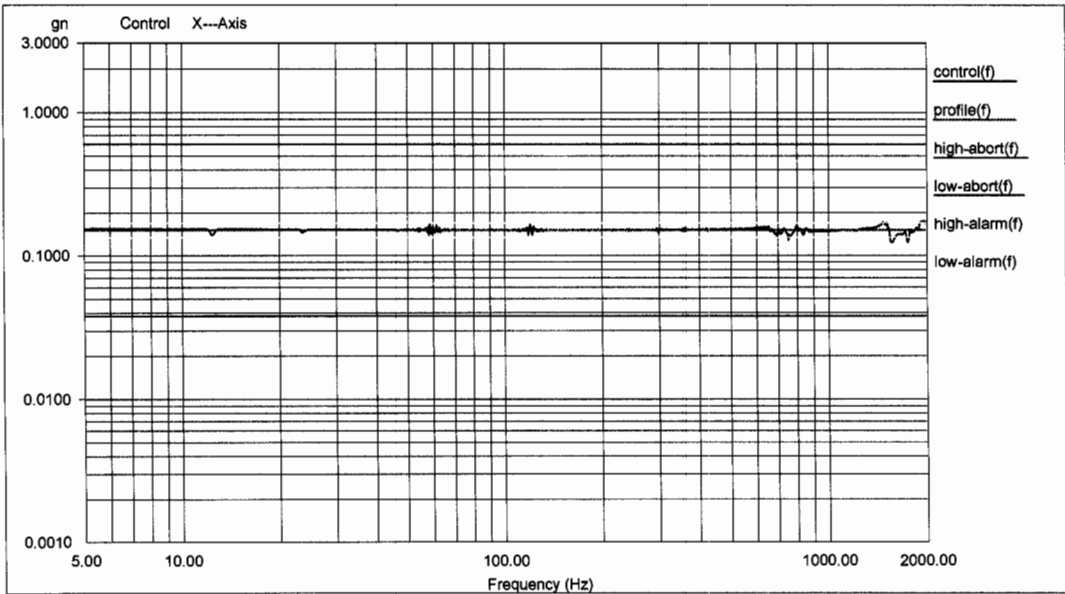


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S10 2525
X-AXIS
M10-S16
3/30/06

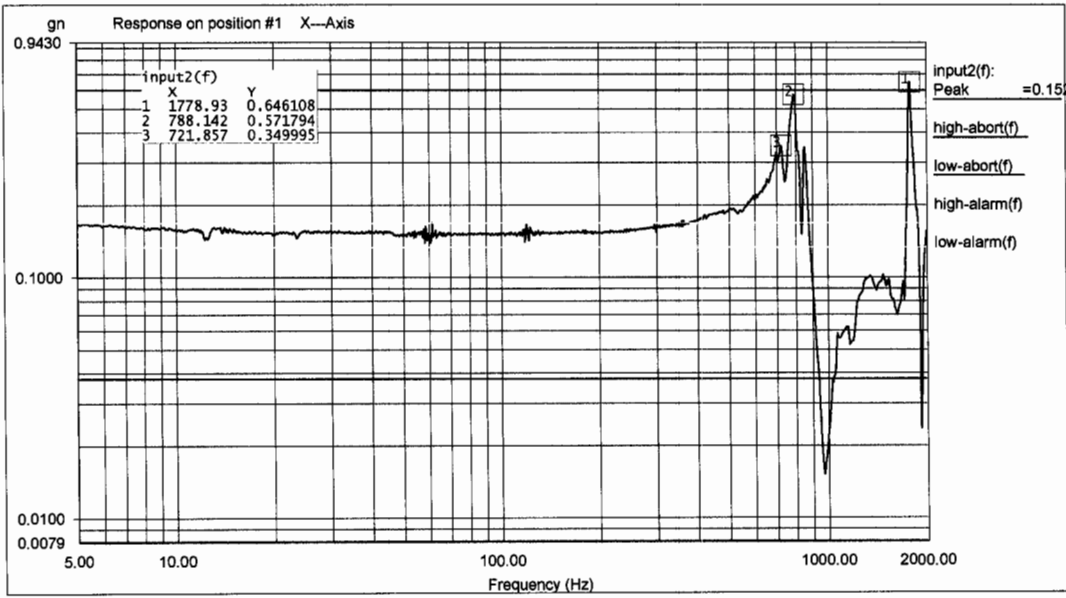
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Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-24-18



Level: 100 % Control Peak: 0.170463 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1997.699585 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

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QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST SINE X-AXIS
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Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-24-18

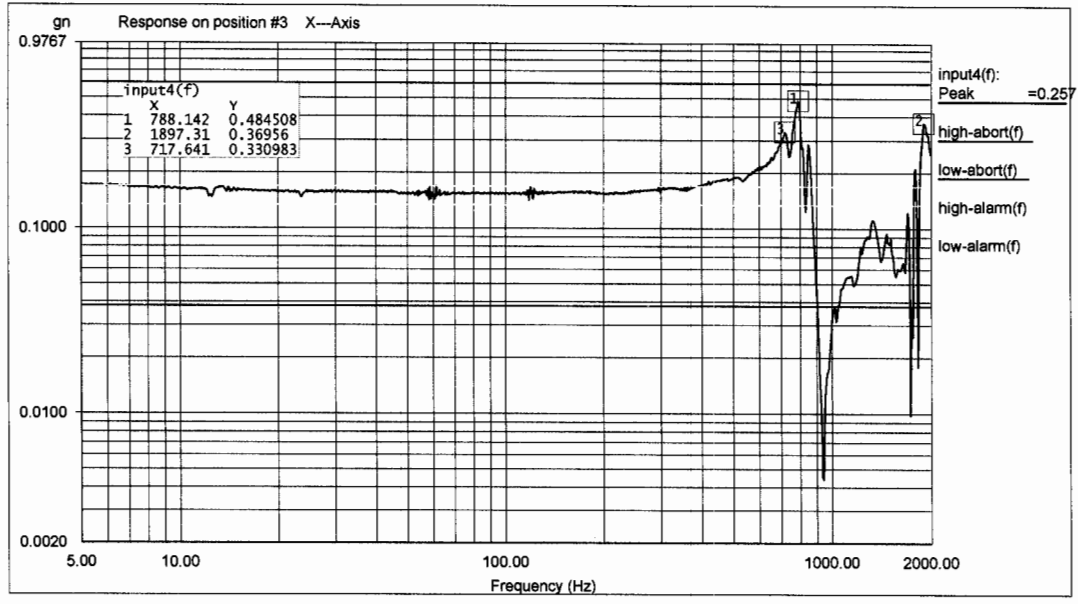


Level: 100 % Control Peak: 0.170463 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1997.699585 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

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S10 2525
X-AXIS
MID-SIL
3/30/06

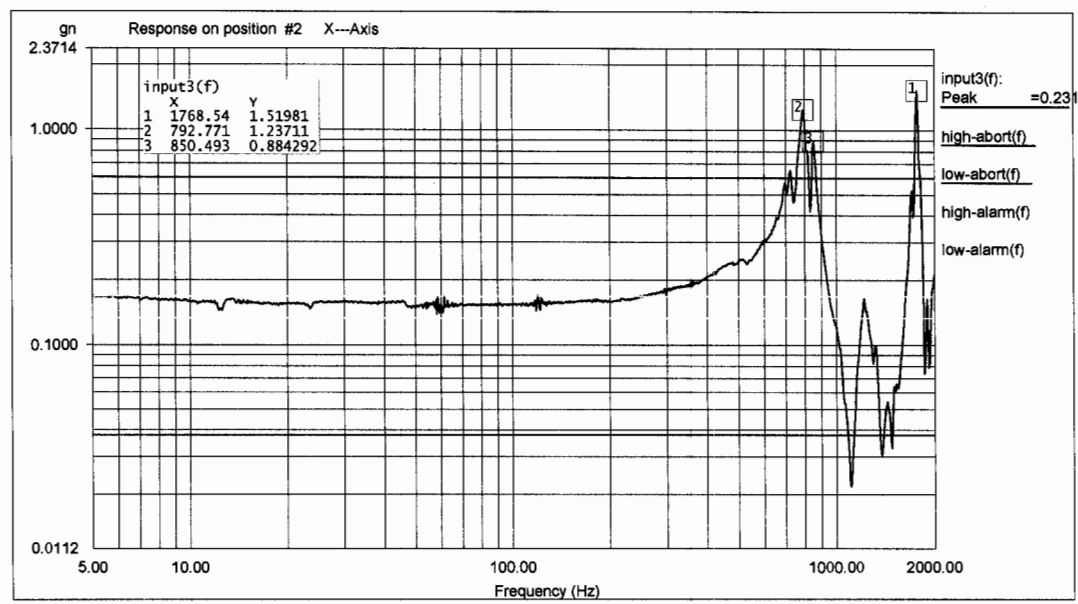
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST SINE X-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-24-18



Level: 100 % Control Peak: 0.170463 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1997.699585 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:29:06 AM, Thursday, March 30, 2006 Report created at 11:29:07 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST SINE X-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-24-18

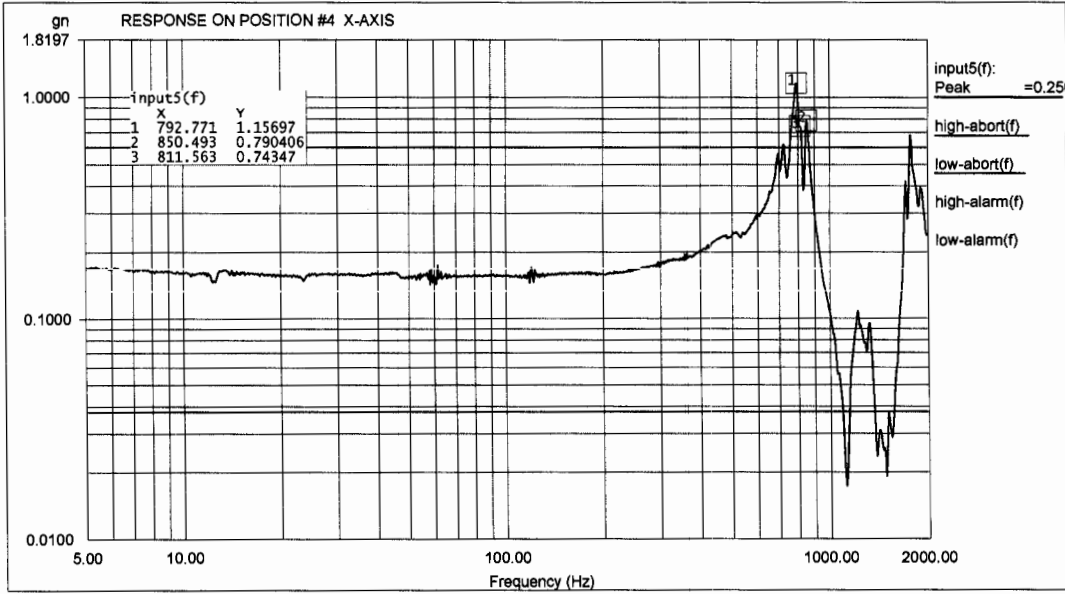


Level: 100 % Control Peak: 0.170463 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1997.699585 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:29:06 AM, Thursday, March 30, 2006 Report created at 11:29:07 AM, Thursday, March 30, 2006

SIU 2525
X-AXIS
MID-SIB
3/30/06

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST SINE X-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-24-18

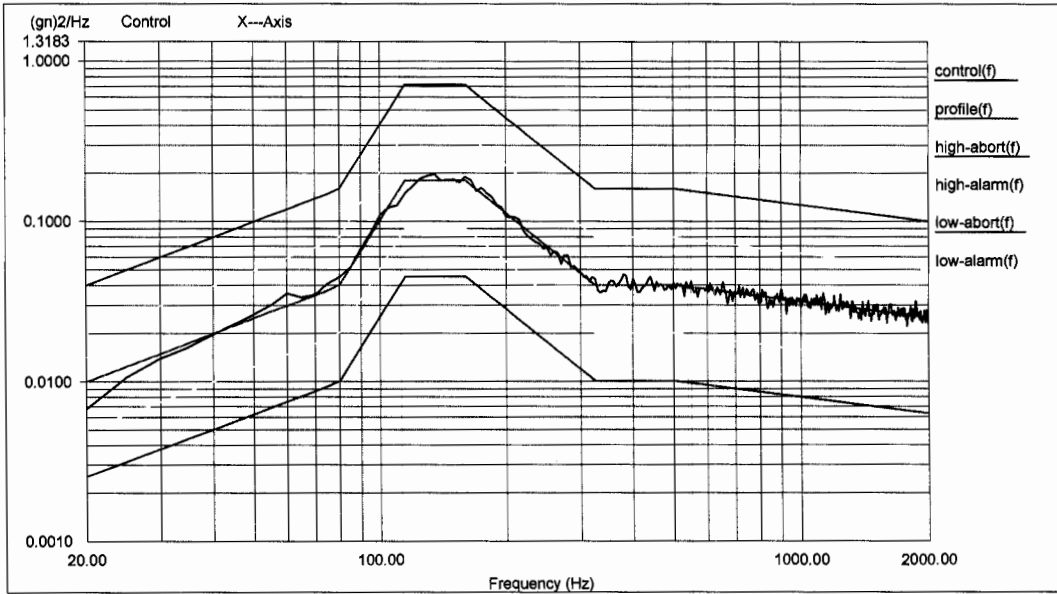


Level: 100 % Control Peak: 0.170463 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1997.699585 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:29:06 AM, Thursday, March 30, 2006 Report created at 11:29:07 AM, Thursday, March 30, 2006

SIU 2525
 X-AXIS
 AT-RANDOM
 3/30/06

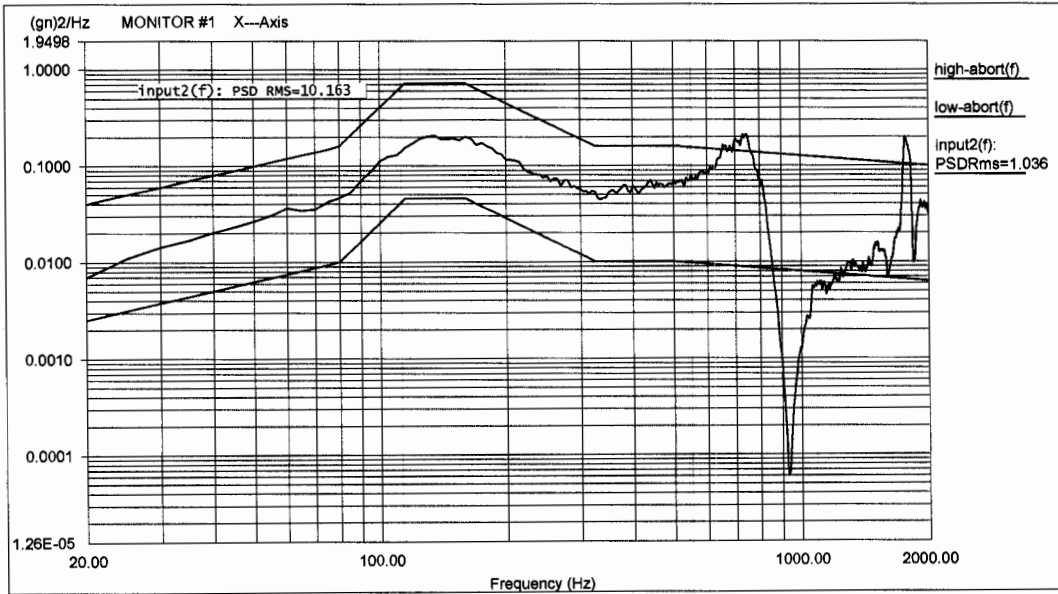
QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 X-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 11-38-31



Level: 100 %
 Control RMS: 8.937703 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 11:40:58 AM, Thursday, March 30, 2006 Report created at 11:40:59 AM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 X-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 11-38-31

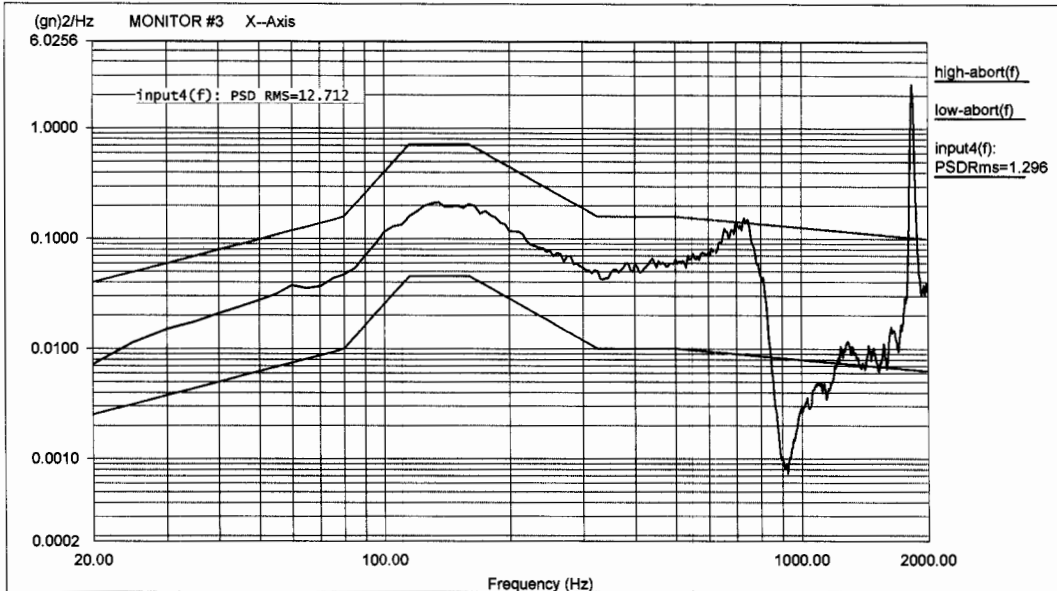


Level: 100 %
 Control RMS: 8.937703 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 11:40:58 AM, Thursday, March 30, 2006 Report created at 11:40:59 AM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 X-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 11-38-31

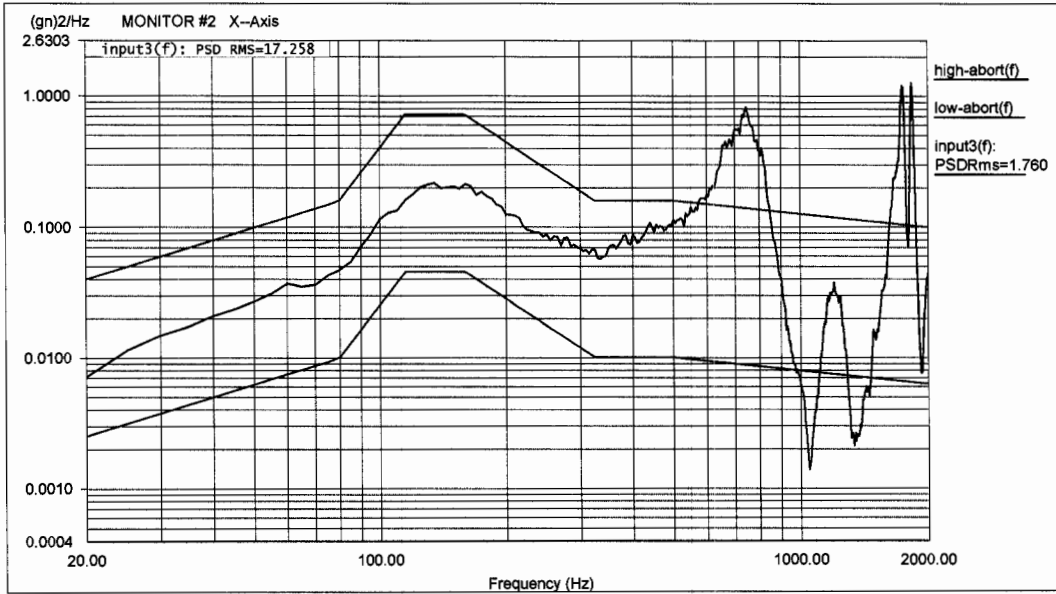
S1U 2525
 X-AXIS
 AT-RANDOM
 3/30/06



Level: 100 %
 Control RMS: 8.937703 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 11:40:58 AM, Thursday, March 30, 2006 Report created at 11:40:59 AM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 X-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 11-38-31

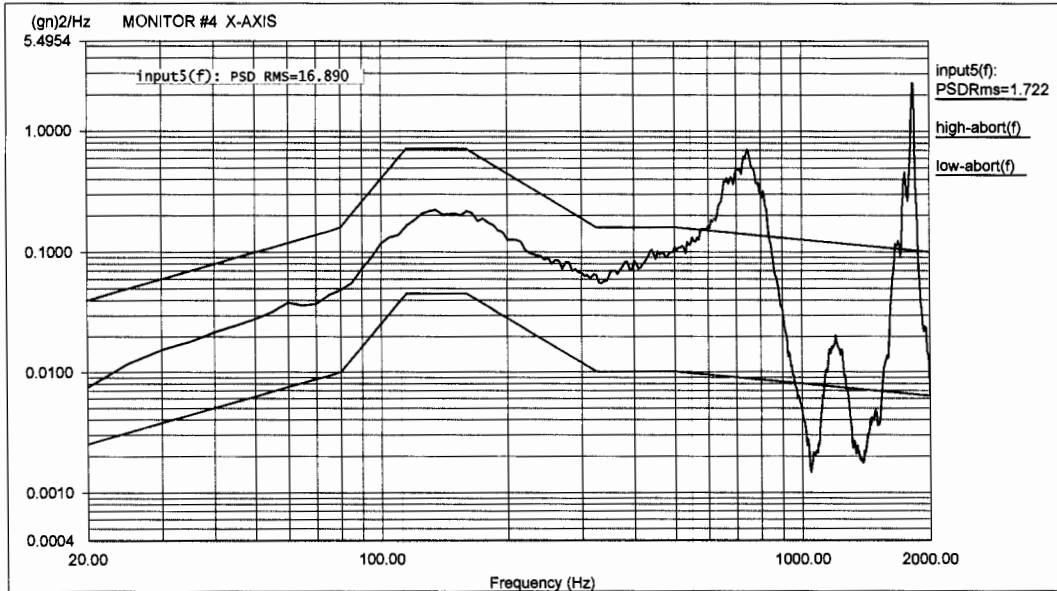


Level: 100 %
 Control RMS: 8.937703 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
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Data saved at 11:40:58 AM, Thursday, March 30, 2006 Report created at 11:40:59 AM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 X-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: .\RunDefault Mar 30,2006 11-38-31

S1U 2525
 X-AXIS
 AT-RANDOM
 3/30/06

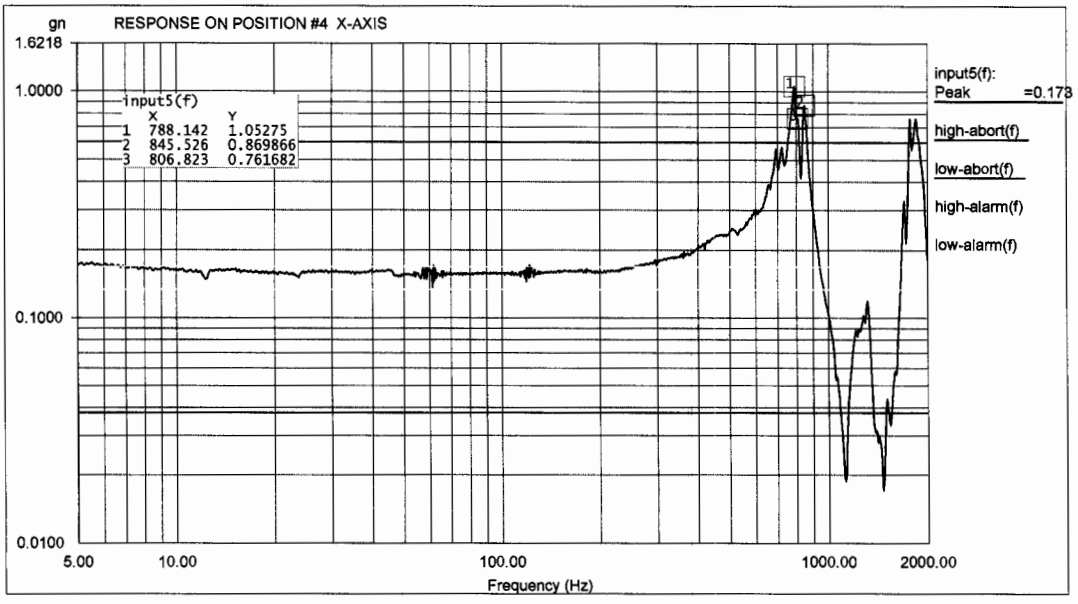


Level: 100 %
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Data saved at 11:40:58 AM, Thursday, March 30, 2006 Report created at 11:40:59 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM X-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-45-23

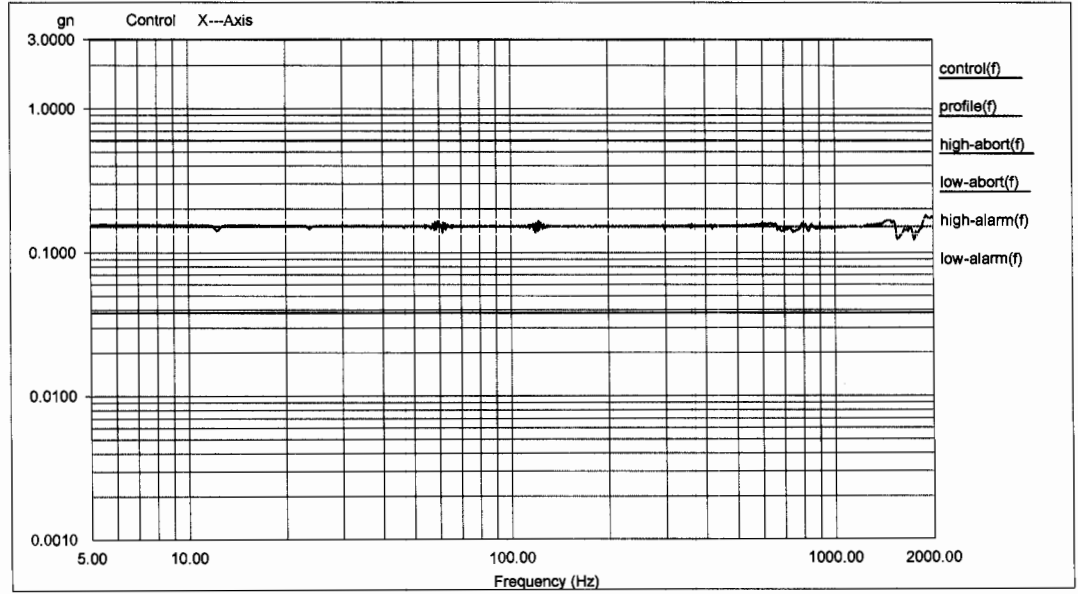
SIV #2525
 X-AXIS
 POST-SIG
 3/30/06



Level: 100 % Control Peak: 0.173158 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1993.275391 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:50:03 AM, Thursday, March 30, 2006 Report created at 11:50:04 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM X-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-45-23

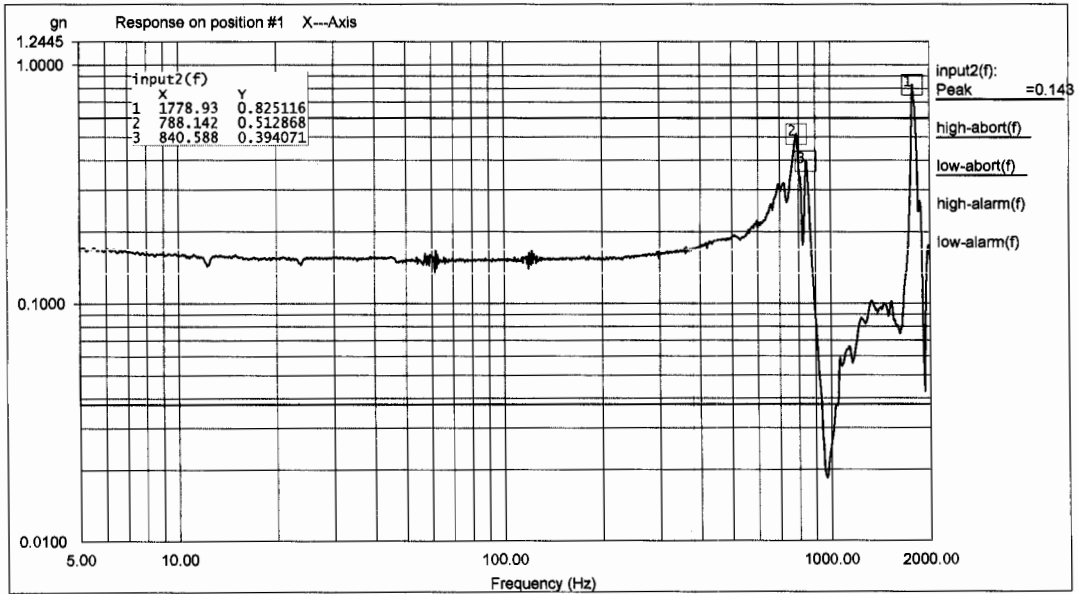


Level: 100 % Control Peak: 0.173158 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1993.275391 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:50:03 AM, Thursday, March 30, 2006 Report created at 11:50:04 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM X-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-45-23

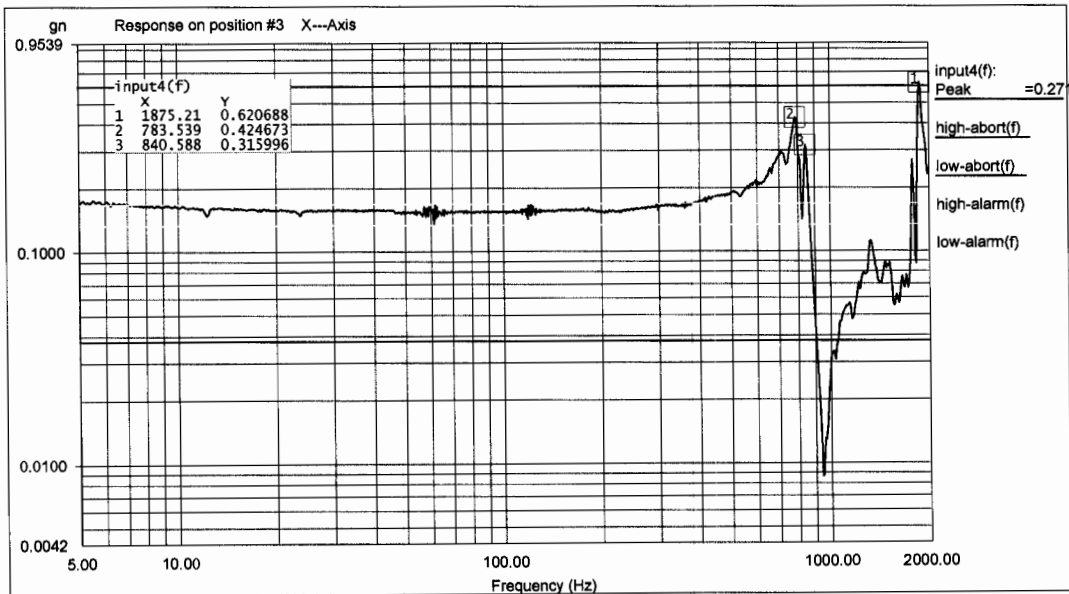
S10#2525
 X-AXIS
 POST-SIG
 3/30/06



Level: 100 % Control Peak: 0.173158 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1993.275391 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:50:03 AM, Thursday, March 30, 2006 Report created at 11:50:04 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM X-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-45-23

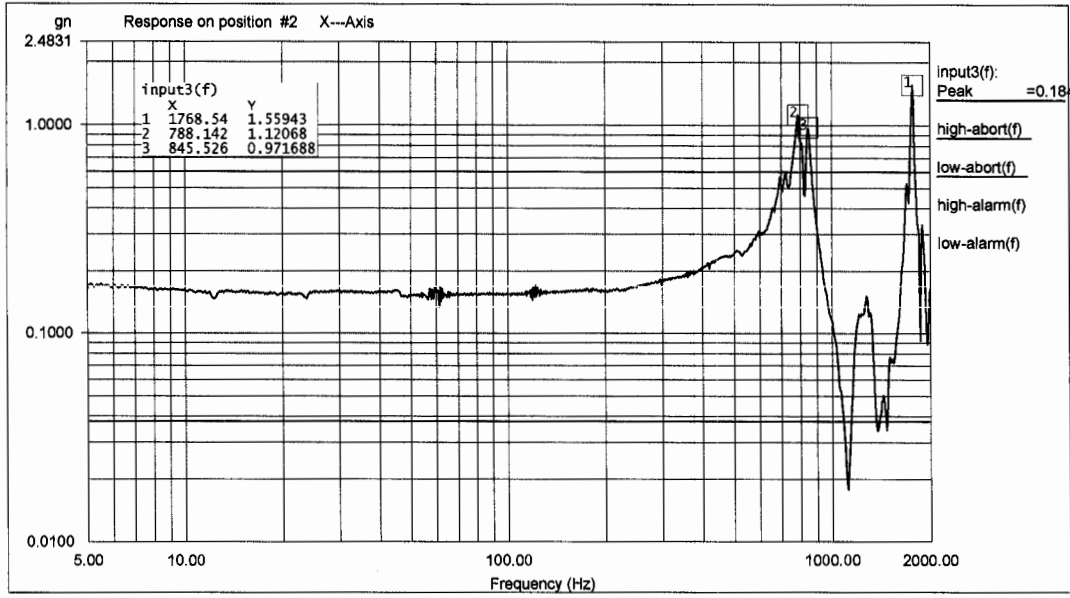


Level: 100 % Control Peak: 0.173158 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1993.275391 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:50:03 AM, Thursday, March 30, 2006 Report created at 11:50:04 AM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM X-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 11-45-23

SIU #2525
 X-AXIS
 POST-SIG
 3/30/06

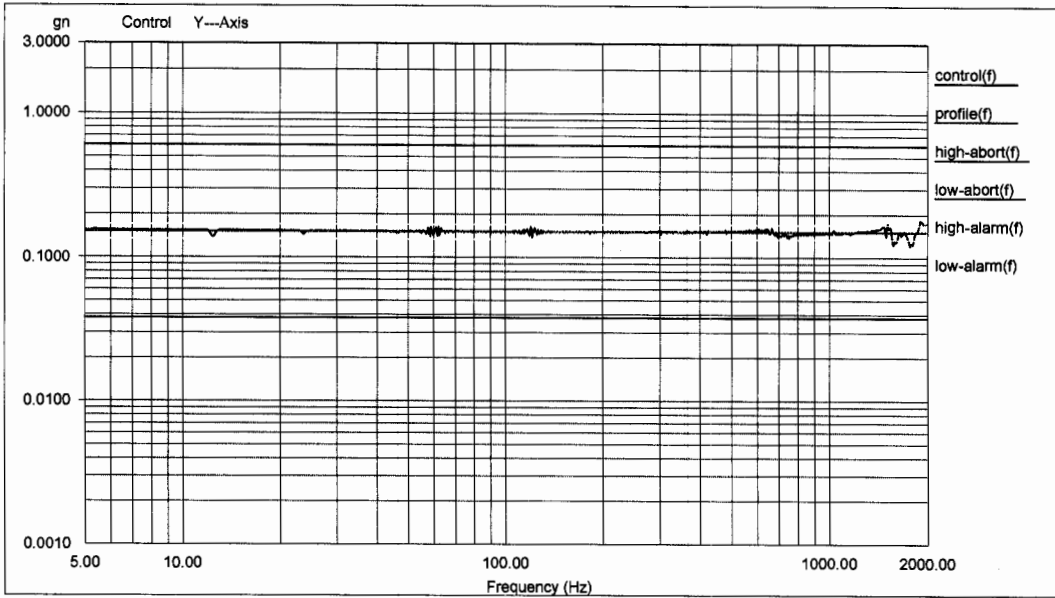


Level: 100 % Control Peak: 0.173158 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1993.275391 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 11:50:03 AM, Thursday, March 30, 2006 Report created at 11:50:05 AM, Thursday, March 30, 2006

S10 2525
Y-AXIS
PRE-SIG
3/30/06

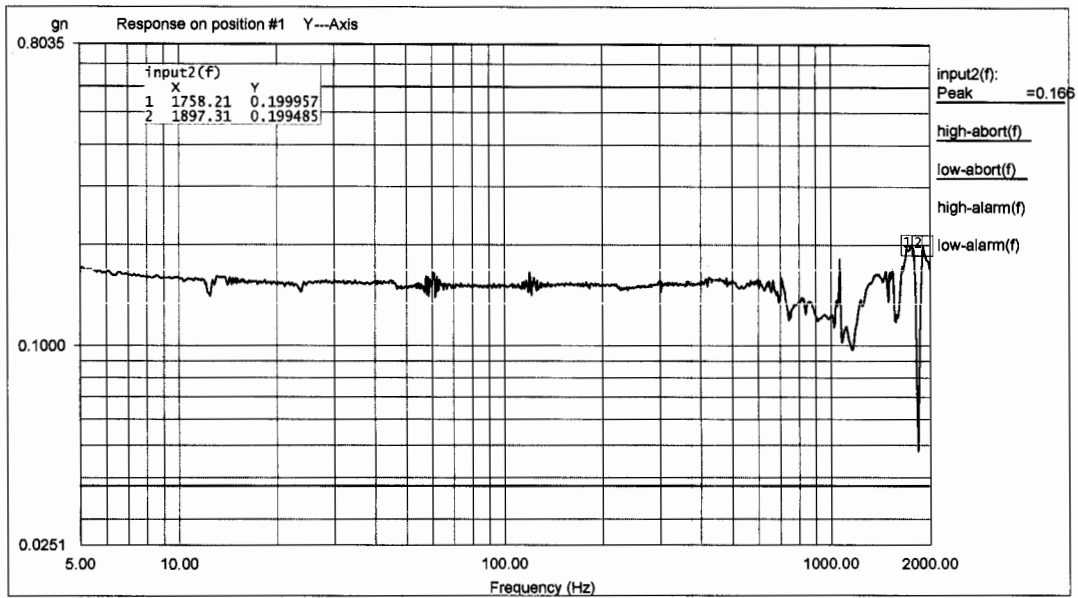
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: .RunDefault Mar 30,2006 12-23-24



Level: 100 % Control Peak: 0.170612 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1998.684082 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:28:07 PM, Thursday, March 30, 2006 Report created at 12:28:12 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: .RunDefault Mar 30,2006 12-23-24



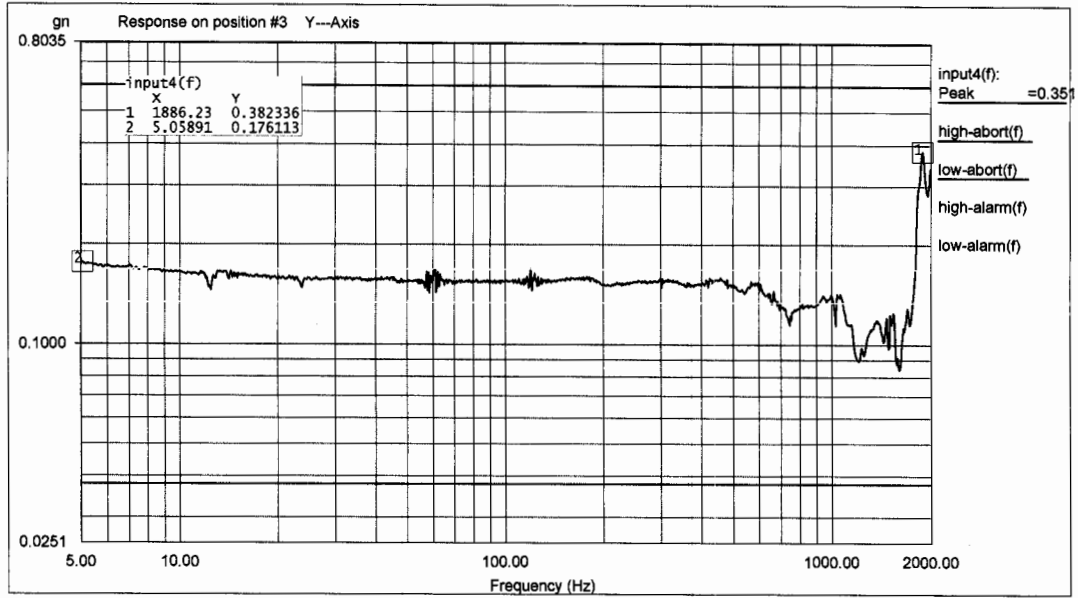
Level: 100 % Control Peak: 0.170612 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1998.684082 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:28:07 PM, Thursday, March 30, 2006 Report created at 12:28:12 PM, Thursday, March 30, 2006

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SIU 2525
Y-AXIS
PRE-SIG
03/30/06

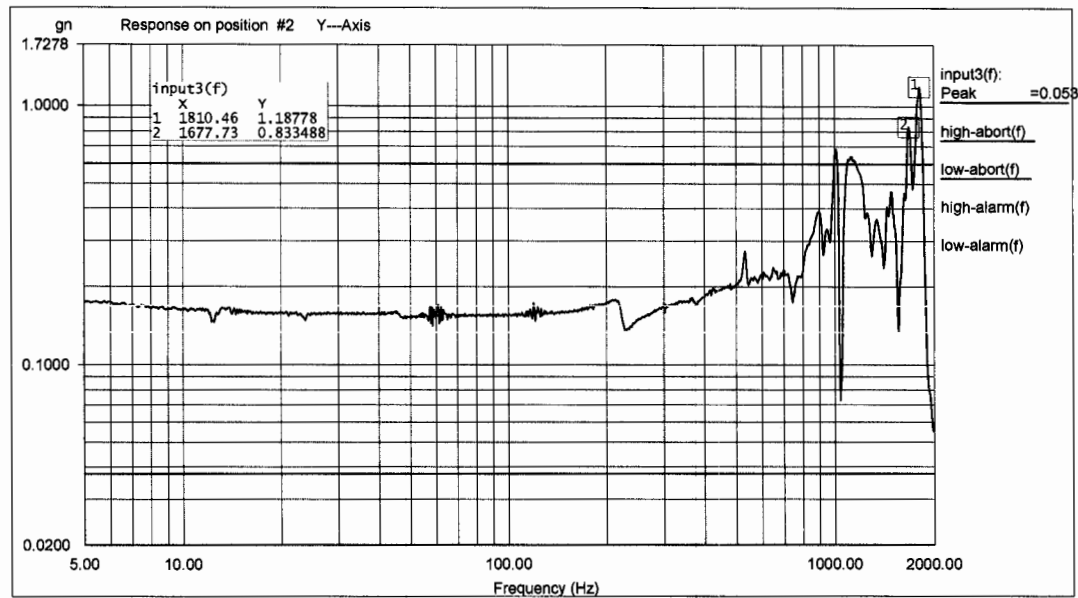
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-23-24



Level: 100 % Control Peak: 0.170612 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1998.684082 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:28:07 PM, Thursday, March 30, 2006 Report created at 12:28:13 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-23-24



Level: 100 % Control Peak: 0.170612 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1998.684082 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

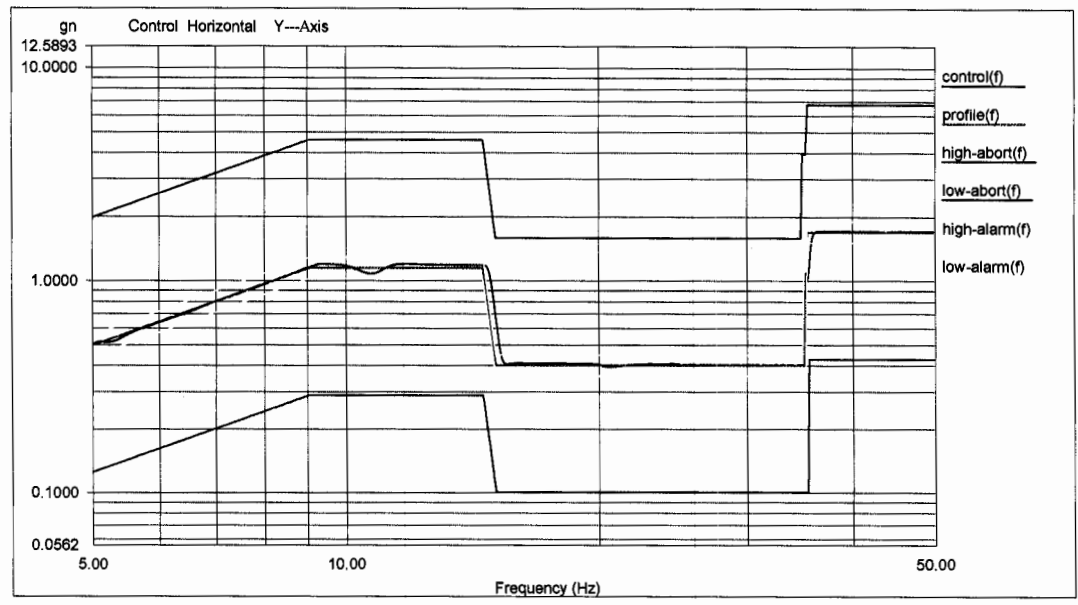
Data saved at 12:28:07 PM, Thursday, March 30, 2006 Report created at 12:28:13 PM, Thursday, March 30, 2006

0/2

SIU 2525
Y-AXIS
AT SINE
3/30/06

QUNANT LABS.
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 SINE QL-06-258
Project File Name: 5-50 HZ HCB Y PROTO.prj Y-AXIS
Profile Name: 5-50Hz ACCEPTANCE Y Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 12-35-19

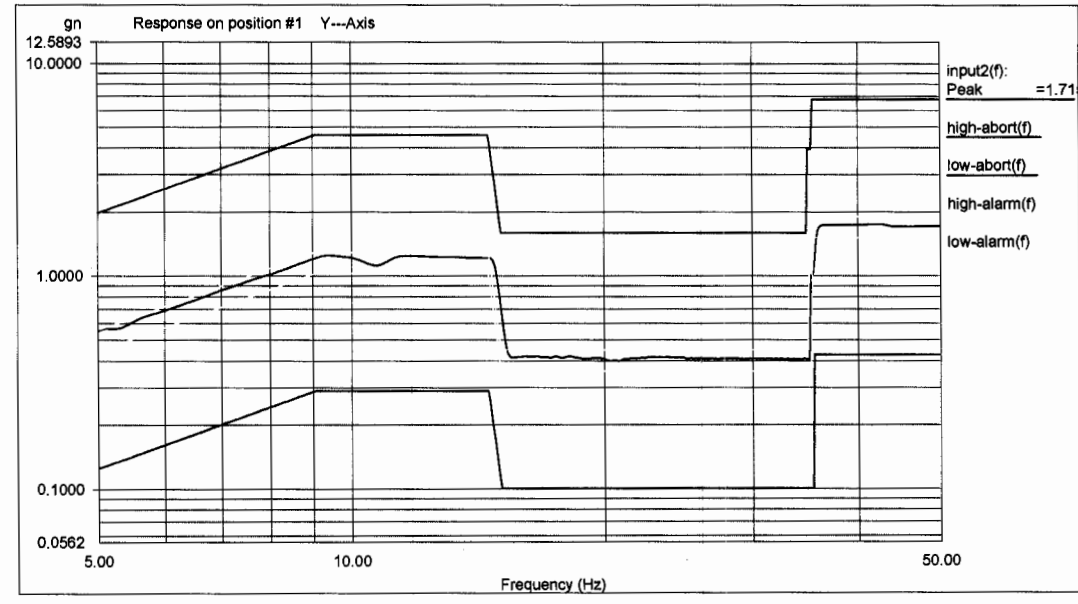


Level: 100 % Control Peak: 1.710121 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
Frequency: 49.930378 Hz Demand Peak: 1.700000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 12:36:43 PM, Thursday, March 30, 2006 Report created at 12:36:44 PM, Thursday, March 30, 2006

QUNANT LABS.
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 SINE QL-06-258
Project File Name: 5-50 HZ HCB Y PROTO.prj Y-AXIS
Profile Name: 5-50Hz ACCEPTANCE Y Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 12-35-19



Level: 100 % Control Peak: 1.710121 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
Frequency: 49.930378 Hz Demand Peak: 1.700000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

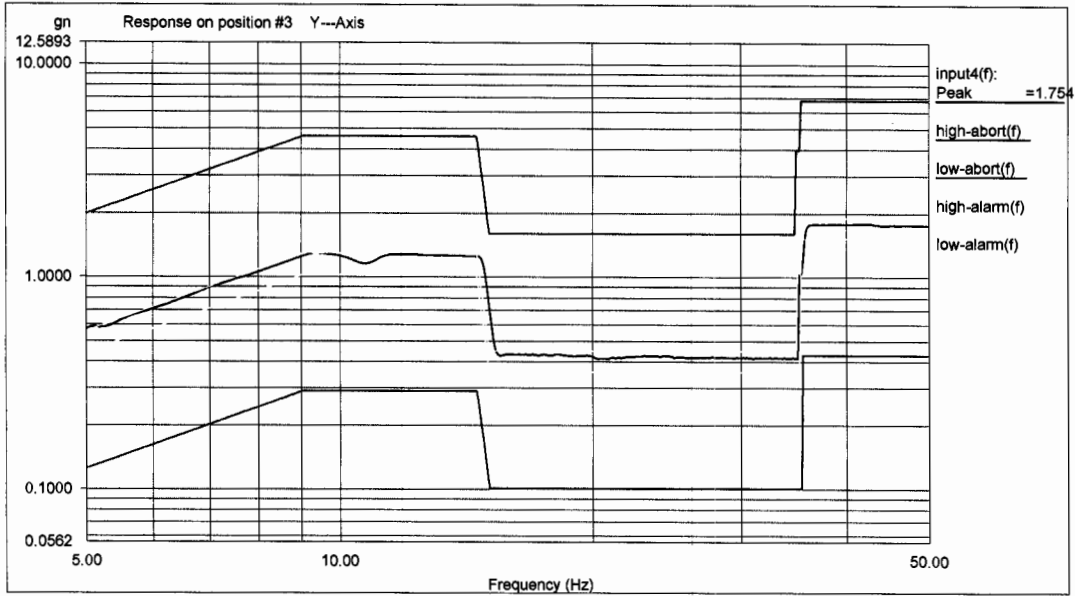
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QUNANT LABS.
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 SINE QL-06-258
 Project File Name: 5-50 HZ HCB Y PROTO.prj Y-AXIS
 Profile Name: 5-50Hz ACCEPTANCE Y Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 12-35-19

S102525
 Y-AXIS
 AT SINE
 3/30/06

②/2

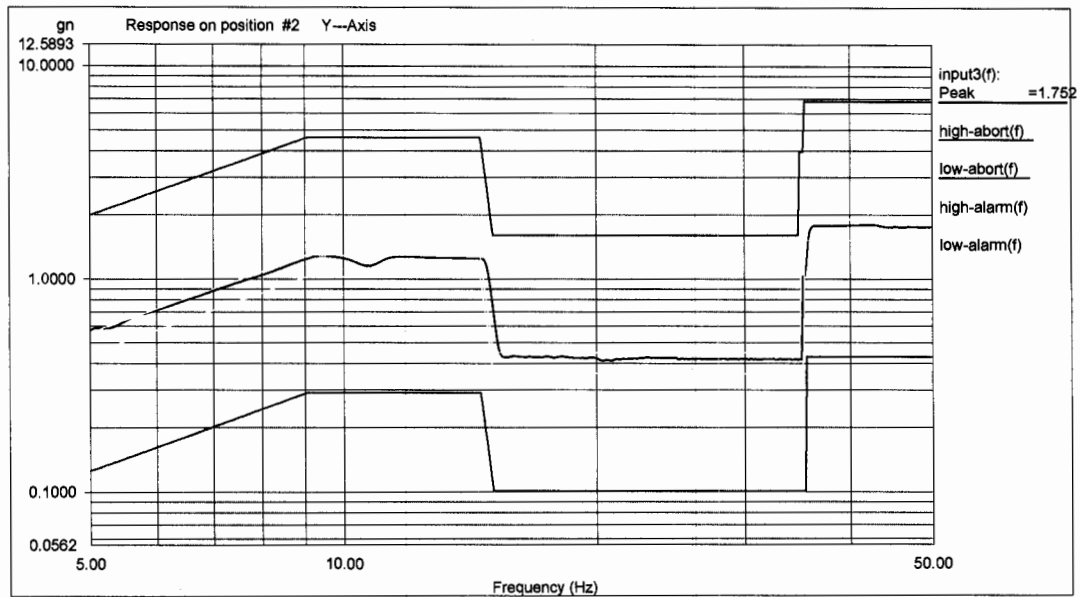


Level: 100 % Control Peak: 1.710121 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.930378 Hz Demand Peak: 1.700000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 12:36:43 PM, Thursday, March 30, 2006 Report created at 12:36:44 PM, Thursday, March 30, 2006

QUNANT LABS.
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 SINE QL-06-258
 Project File Name: 5-50 HZ HCB Y PROTO.prj Y-AXIS
 Profile Name: 5-50Hz ACCEPTANCE Y Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 12-35-19



Level: 100 % Control Peak: 1.710121 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.930378 Hz Demand Peak: 1.700000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

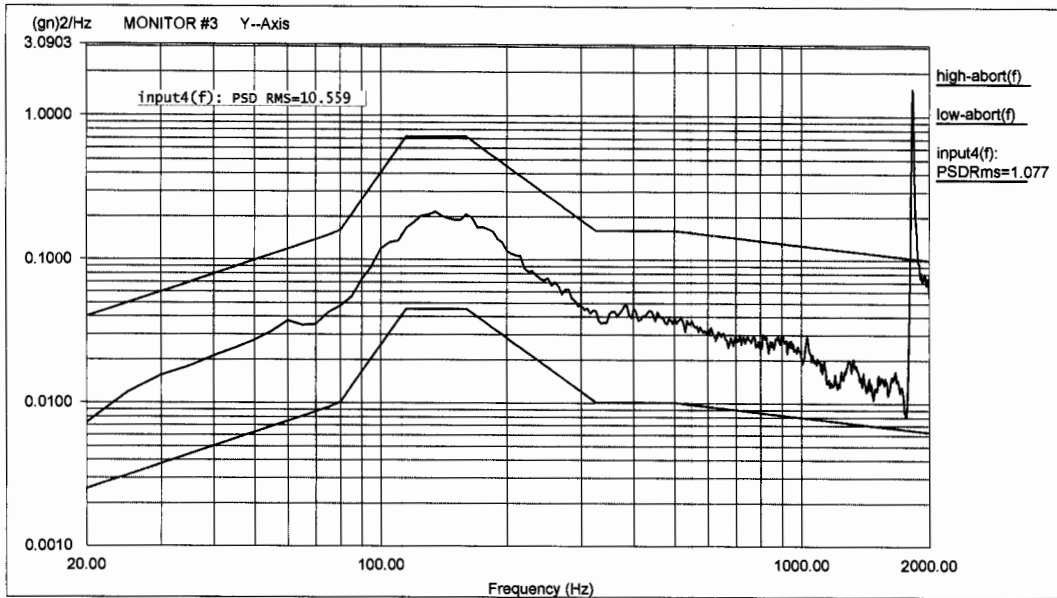
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QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 Y-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random

Run Folder: \RunDefault Mar 30,2006 12-39-09

SLW 2525
 Y-AXIS
 AT RANDOM
 03/30/06

①/2

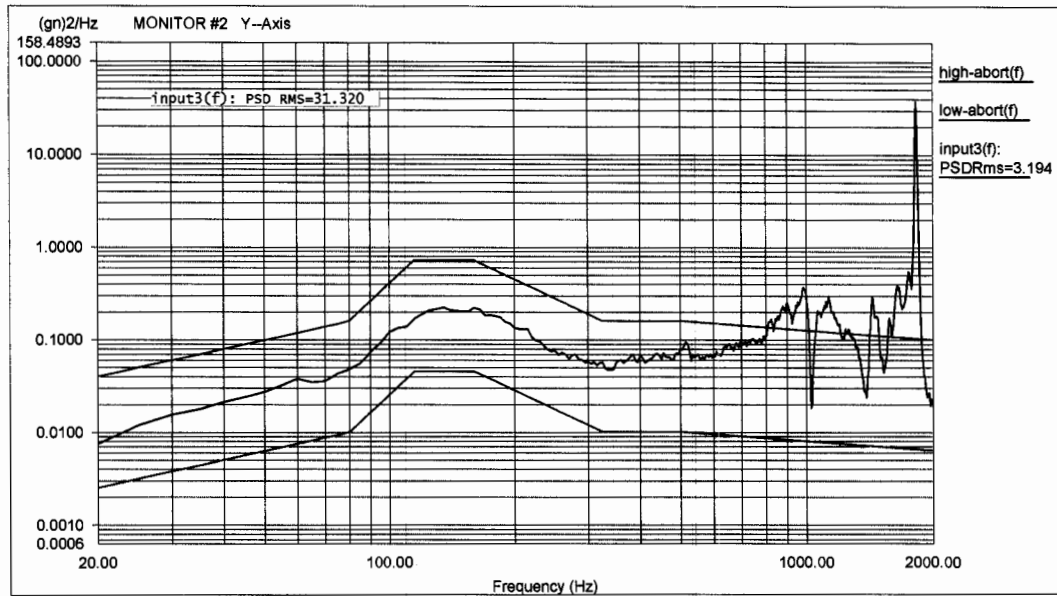


Level: 100 %
 Control RMS: 8.963819 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 12:41:16 PM, Thursday, March 30, 2006 Report created at 12:41:16 PM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 Y-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random

Run Folder: \RunDefault Mar 30,2006 12-39-09



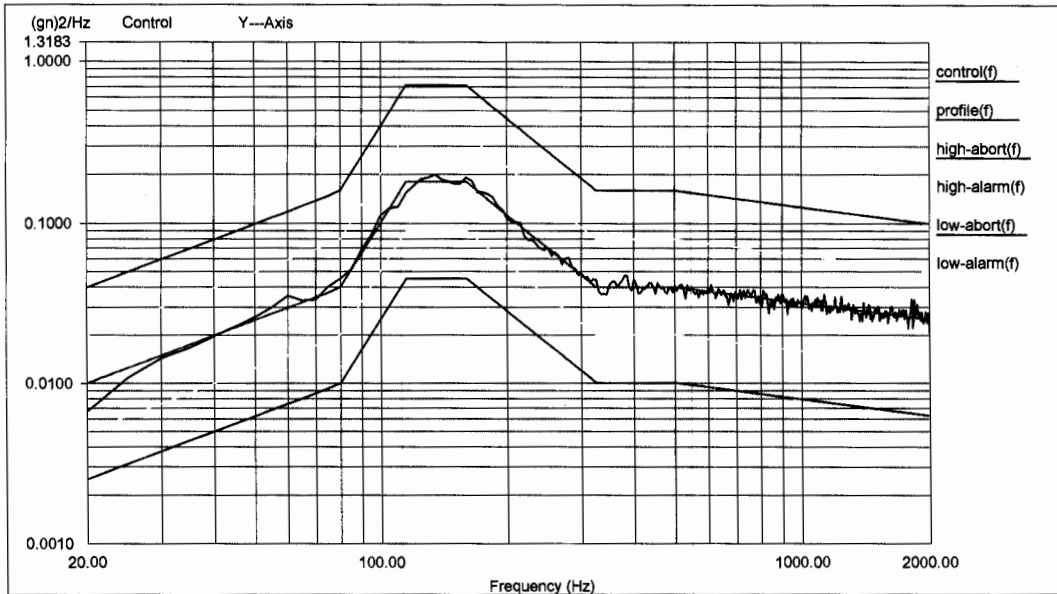
Level: 100 %
 Control RMS: 8.963819 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 12:41:16 PM, Thursday, March 30, 2006 Report created at 12:41:16 PM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 Y-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 12-39-09

SIU 2525
 Y-AXIS
 AT RANDOM
 3/30/06

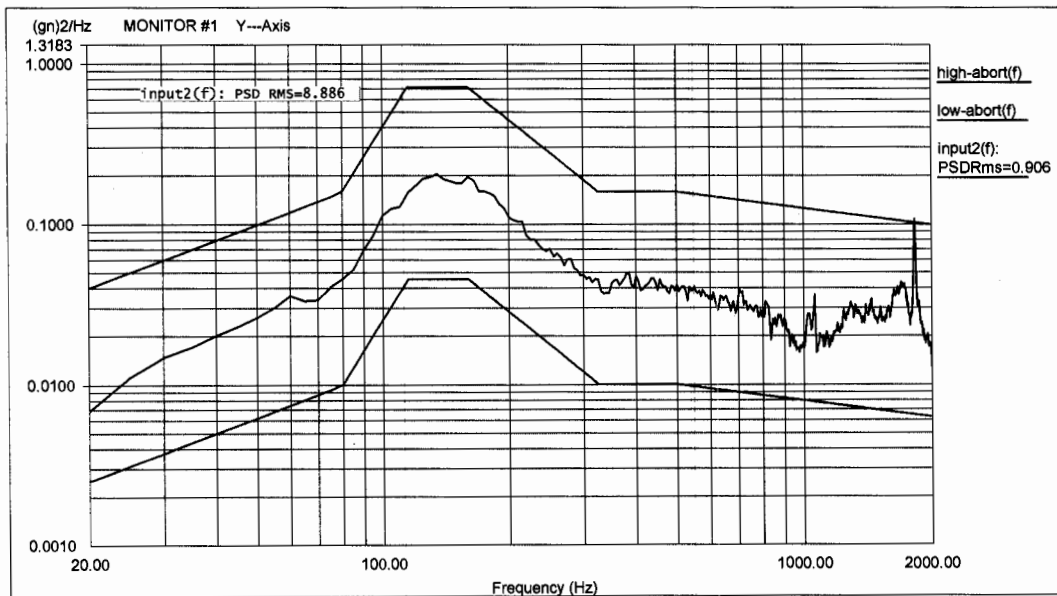
②/2



Level: 100 %
 Control RMS: 8.963819 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 12:41:15 PM, Thursday, March 30, 2006 Report created at 12:41:16 PM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
 Stanford Linear Accelerator Model: GLAT 2525 Y-AXIS RANDOM TEST
 Project File Name: 20-2000 HZ 8.91G RMS.prj
 Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 12-39-09



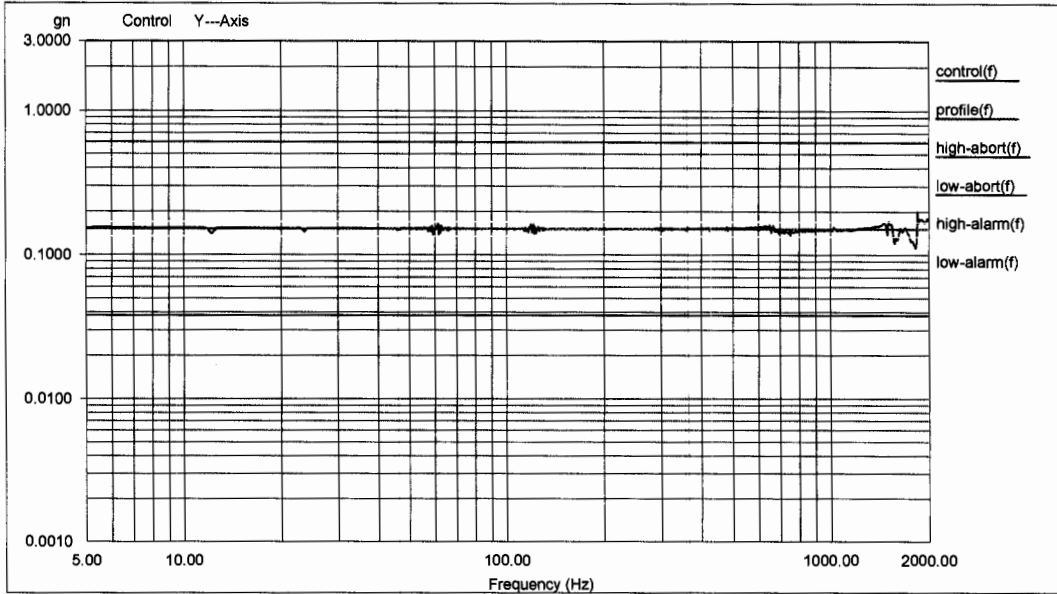
Level: 100 %
 Control RMS: 8.963819 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
 Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 12:41:16 PM, Thursday, March 30, 2006 Report created at 12:41:16 PM, Thursday, March 30, 2006

0/3

SIV 2525
Y-AXIS
POSTSIG
3/30/06

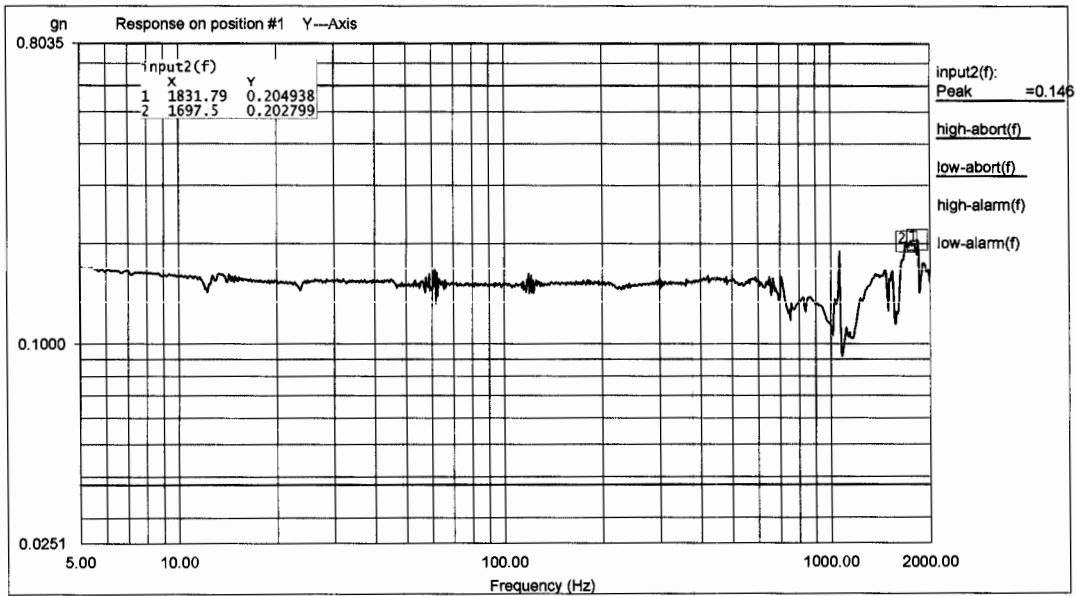
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-43-04



Level: 100 % Control Peak: 0.173864 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1996.715576 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:49:12 PM, Thursday, March 30, 2006 Report created at 12:49:13 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-43-04

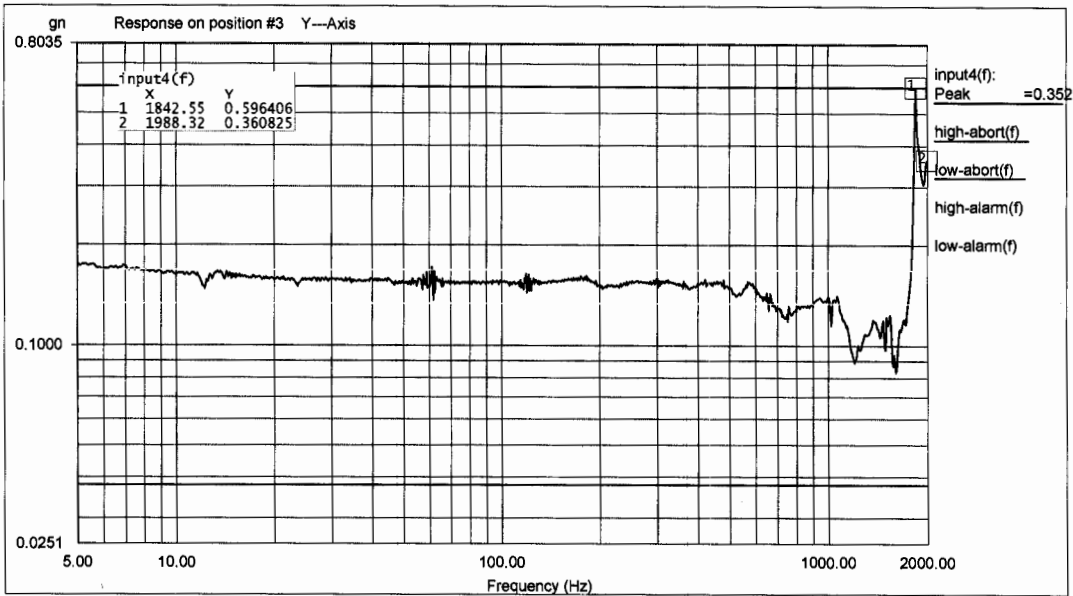


Level: 100 % Control Peak: 0.173864 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1996.715576 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:49:12 PM, Thursday, March 30, 2006 Report created at 12:49:13 PM, Thursday, March 30, 2006

SIV 2525
 J-AXIS
 AT RAND POST S16
 3/30/06
 (2)/3

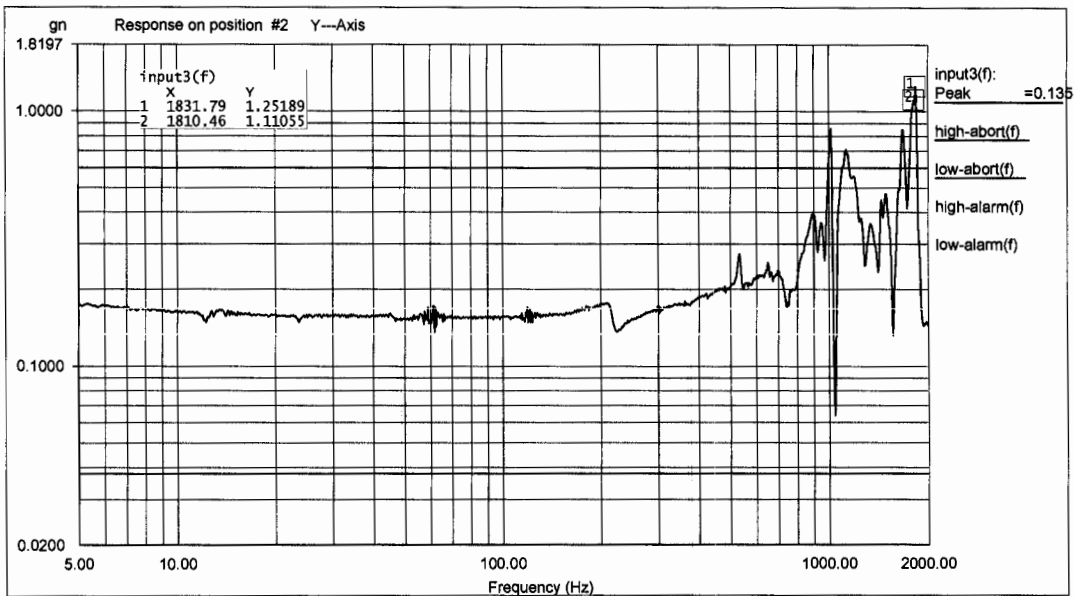
QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM Y-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-43-04



Level: 100 % Control Peak: 0.173864 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1996.715576 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:49:12 PM, Thursday, March 30, 2006 Report created at 12:49:13 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM Y-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-43-04

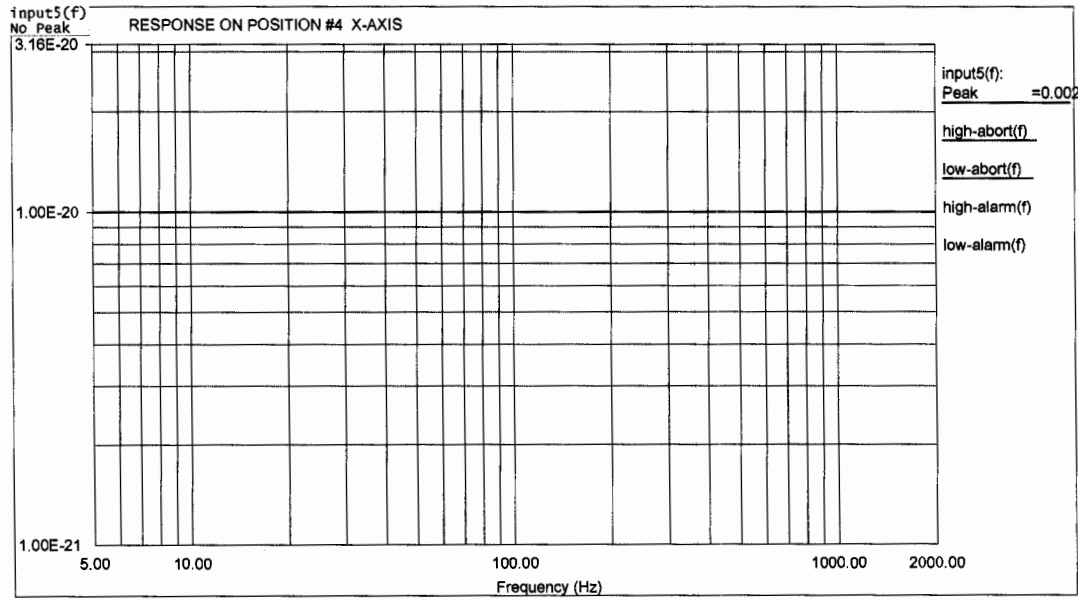


Level: 100 % Control Peak: 0.173864 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1996.715576 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:49:12 PM, Thursday, March 30, 2006 Report created at 12:49:13 PM, Thursday, March 30, 2006

510 2525
Y-AXIS
~~AT RANDOM~~ POST S16
3/30/06
③/3

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 POST RANDOM Y-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 12-43-04



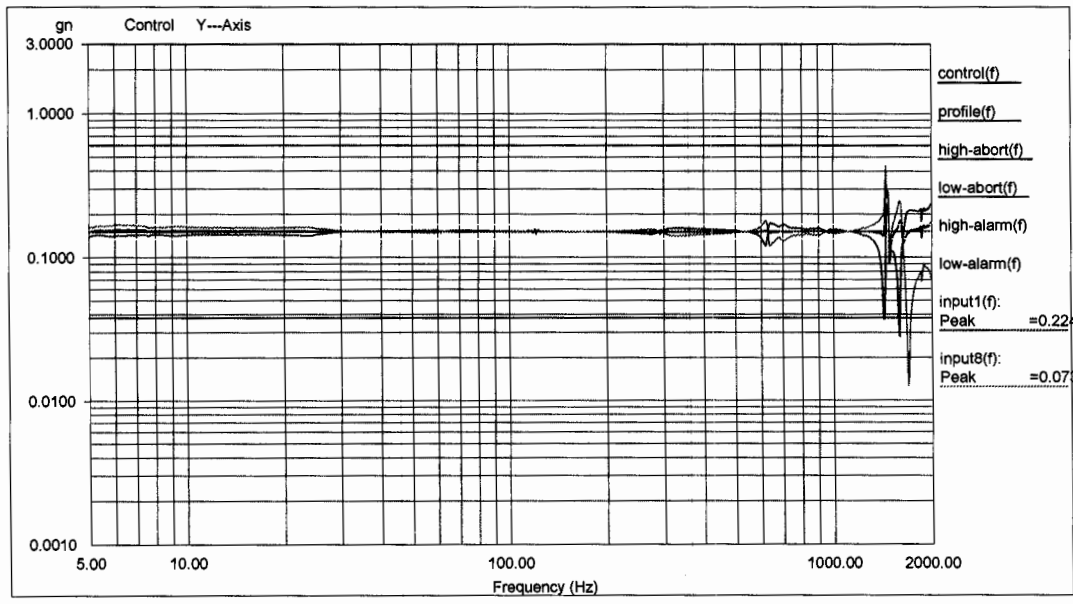
Level: 100% Control Peak: 0.173864 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1996.715576 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 12:49:12 PM, Thursday, March 30, 2006 Report created at 12:49:13 PM, Thursday, March 30, 2006

SIU 2525
Z-AXIS
BARE FIXTURE
3/30/06

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 FIXTURE Z-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine

Run Folder: .RunDefault Mar 30,2006 20-13-02



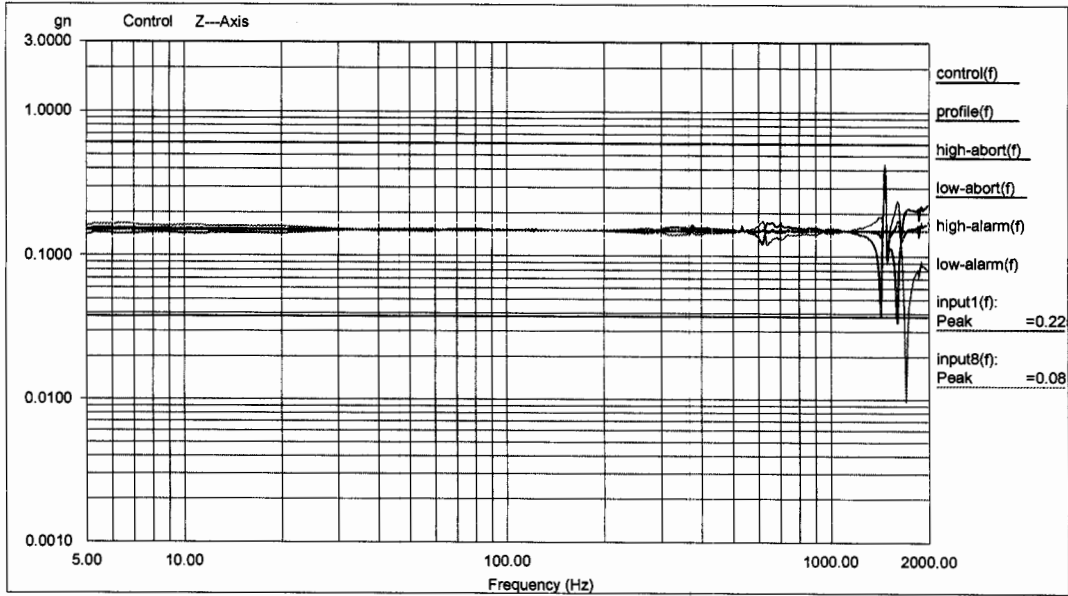
Level: 100 % Control Peak: 0.170968 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1998.684082 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 08:19:09 PM, Thursday, March 30, 2006 Report created at 08:19:11 PM, Thursday, March 30, 2006

①/2

SIU 2525
Z-AXIS
PRE-SIG
3/30/06

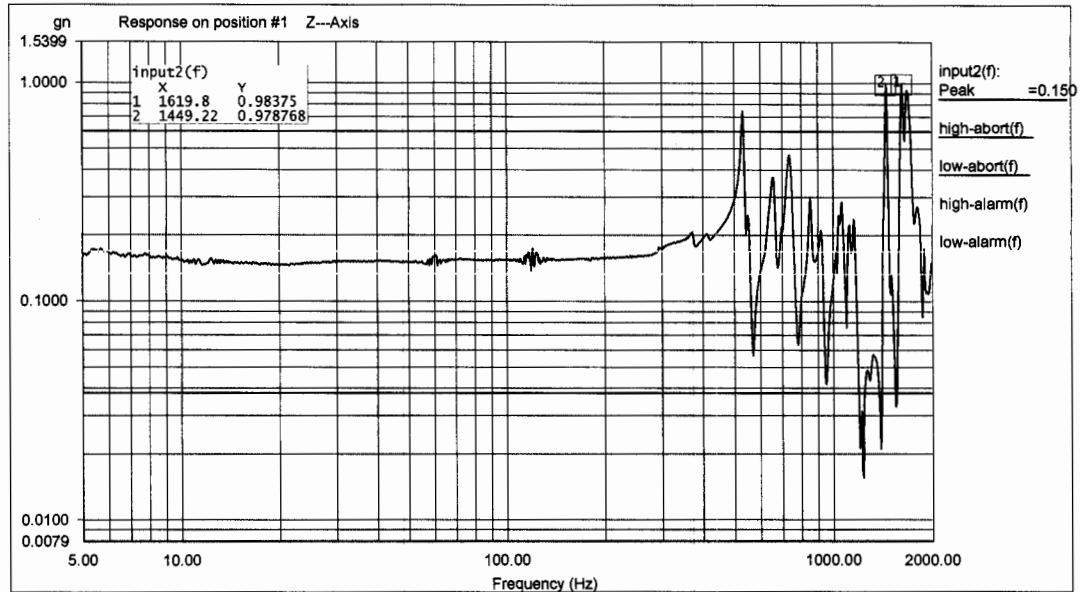
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-36-48



Level: 100 % Control Peak: 0.169165 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1999.176514 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 08:42:55 PM, Thursday, March 30, 2006 Report created at 08:42:55 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-36-48



Level: 100 % Control Peak: 0.169165 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1999.176514 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 08:42:55 PM, Thursday, March 30, 2006 Report created at 08:42:56 PM, Thursday, March 30, 2006

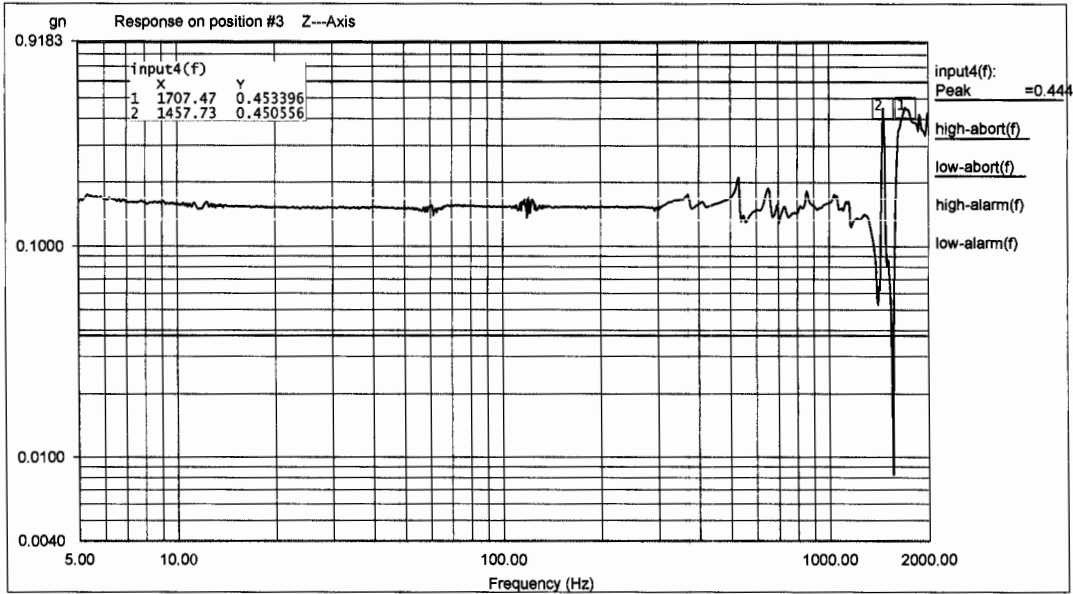
QUNANT LABS
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G

QL-06-258
 Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-36-48

S1U 2525
 Z-AXIS
 PRE-SIG
 3/30/06

②/2



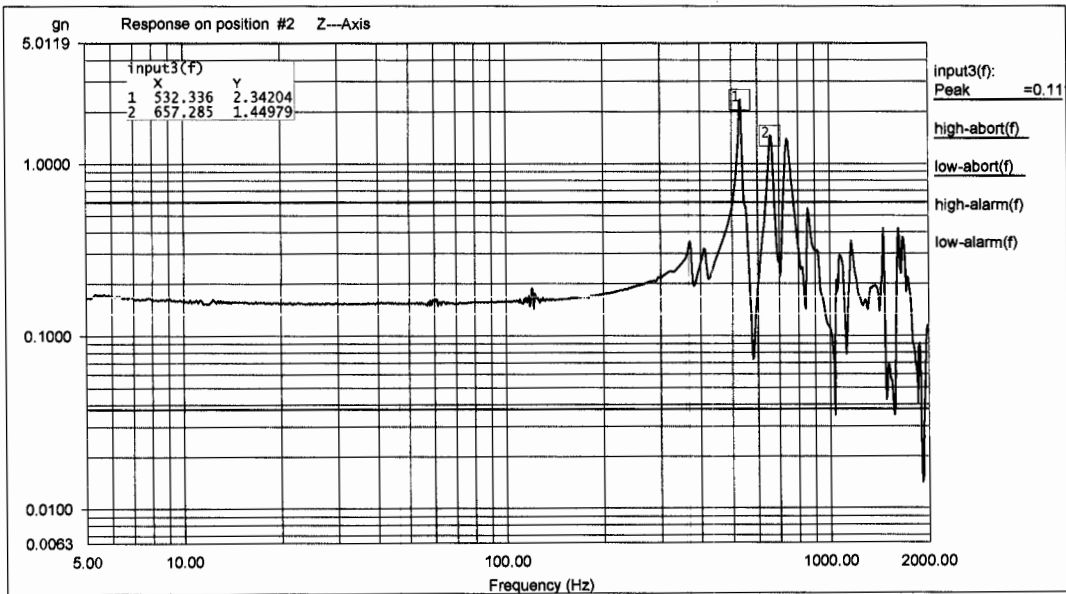
Level: 100 % Control Peak: 0.169165 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1999.176514 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 08:42:55 PM, Thursday, March 30, 2006 Report created at 08:42:56 PM, Thursday, March 30, 2006

QUNANT LABS
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G

QL-06-258
 Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-36-48



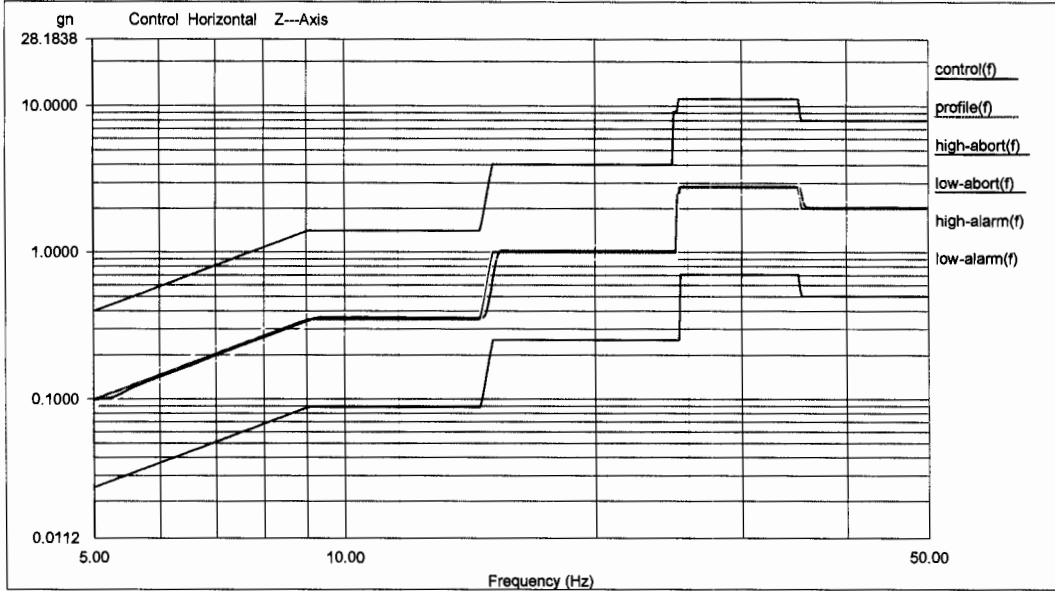
Level: 100 % Control Peak: 0.169165 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1999.176514 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 08:42:55 PM, Thursday, March 30, 2006 Report created at 08:42:56 PM, Thursday, March 30, 2006

SIU 2525
Z-AXIS
PP SINE
3/30/06

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST Z-AXIS
Project File Name: 5-50 HZ SIU X PROTO(SINE).prj
Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-46-

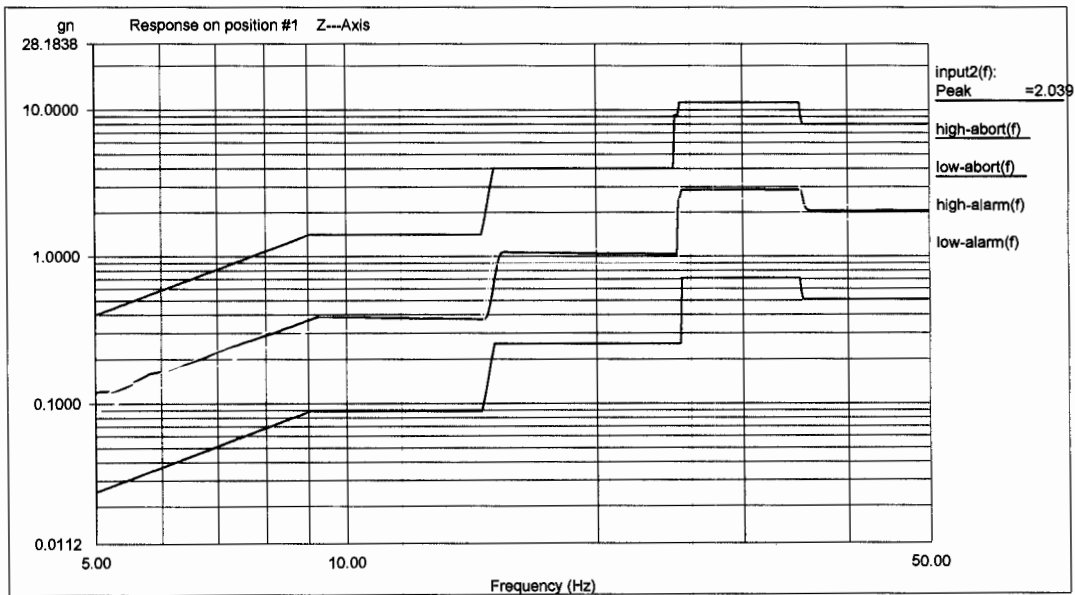


Level: 100 % Control Peak: 2.019840 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.954987 Hz Demand Peak: 2.000000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 08:48:39 PM, Thursday, March 30, 2006 Report created at 08:48:40 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST Z-AXIS
Project File Name: 5-50 HZ SIU X PROTO(SINE).prj
Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-46-



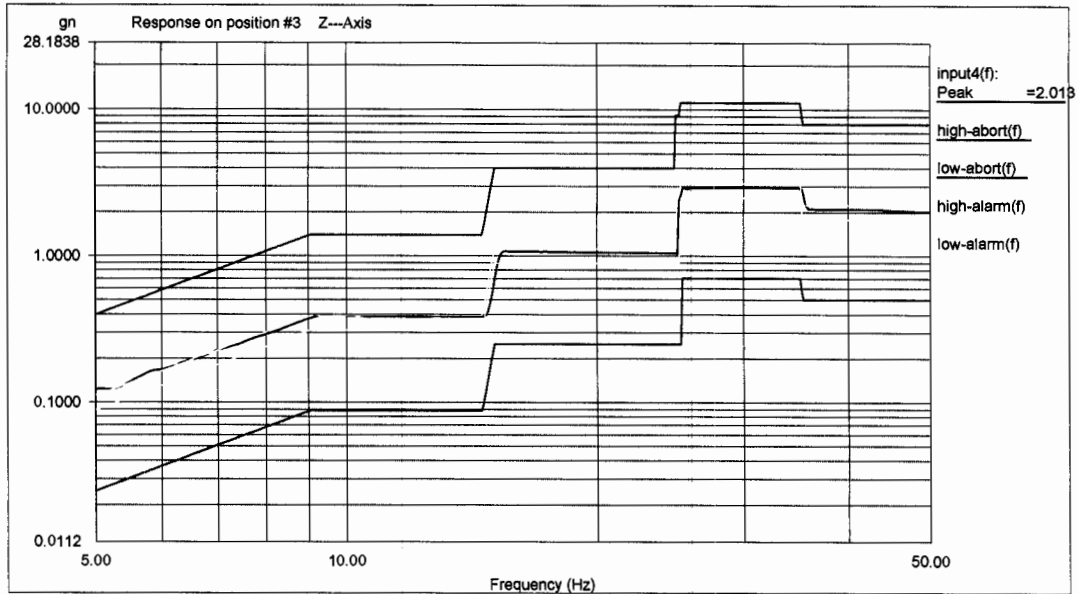
Level: 100 % Control Peak: 2.019840 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.954987 Hz Demand Peak: 2.000000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 08:48:39 PM, Thursday, March 30, 2006 Report created at 08:48:40 PM, Thursday, March 30, 2006

SIU 2525
 2-AXIS
 AT SINE
 3/30/06
 ①/2

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST Z-AXIS
 Project File Name: 5-50 HZ SIU X PROTO(SINE).prj
 Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-46-56

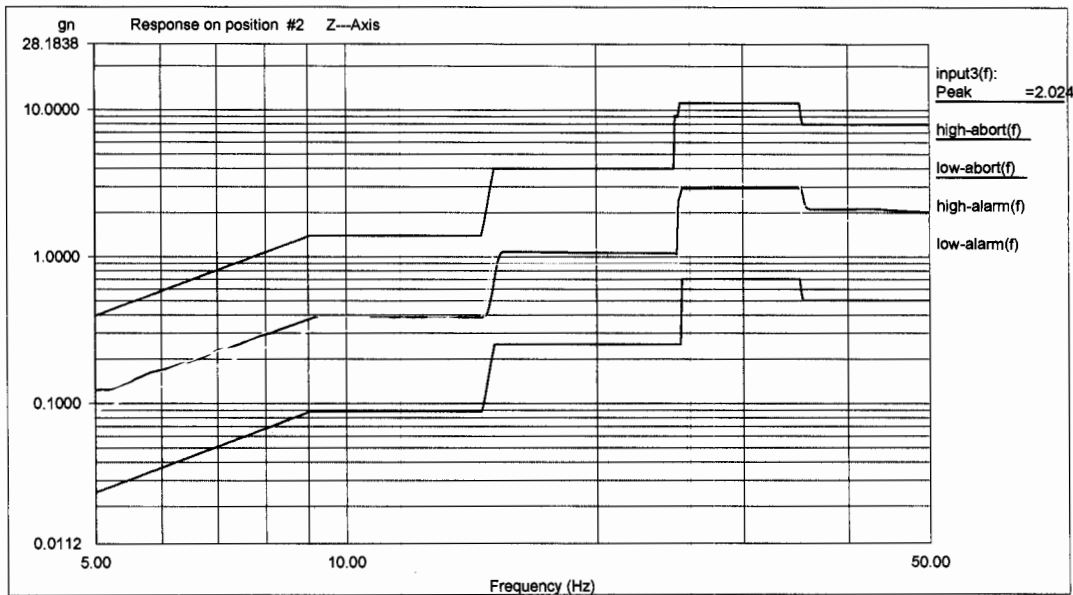


Level: 100 % Control Peak: 2.019840 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.954987 Hz Demand Peak: 2.000000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 08:48:39 PM, Thursday, March 30, 2006 Report created at 08:48:40 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL: GLAT 2525 SINE TEST Z-AXIS
 Project File Name: 5-50 HZ SIU X PROTO(SINE).prj
 Profile Name: 5-50Hz PROTOFLIGHT Profile Test Type: Swept Sine

Run Folder: \RunDefault Mar 30,2006 20-46-56

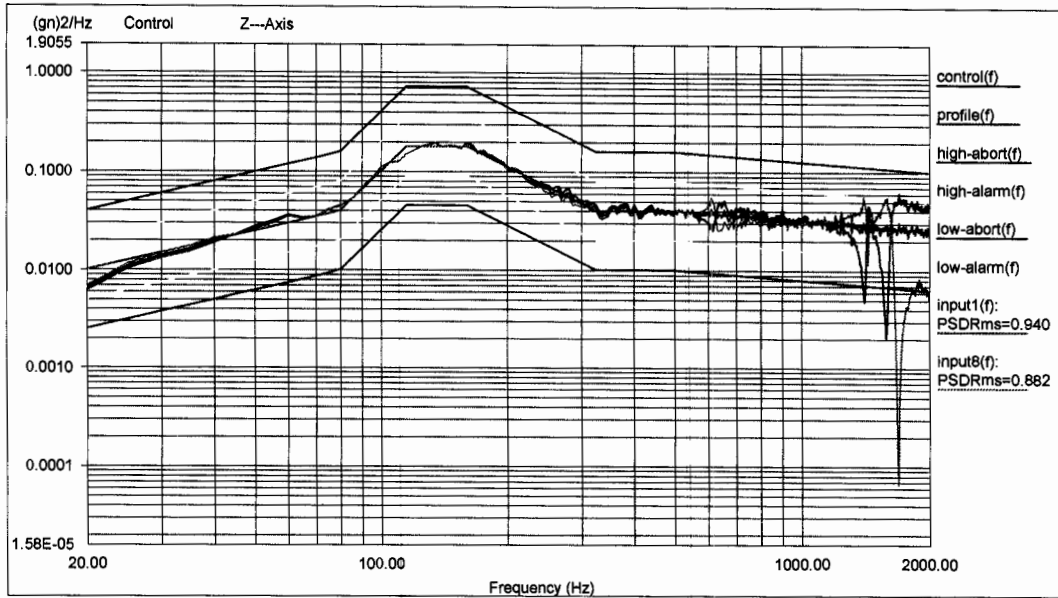


Level: 100 % Control Peak: 2.019840 gn Full Level Time: 00:01:02 Sweep Type: Logarithmic
 Frequency: 49.954987 Hz Demand Peak: 2.000000 gn Time Remaining: 00:00:00 Sweep Rate: 4 Oct/Min

Data saved at 08:48:39 PM, Thursday, March 30, 2006 Report created at 08:48:40 PM, Thursday, March 30, 2006

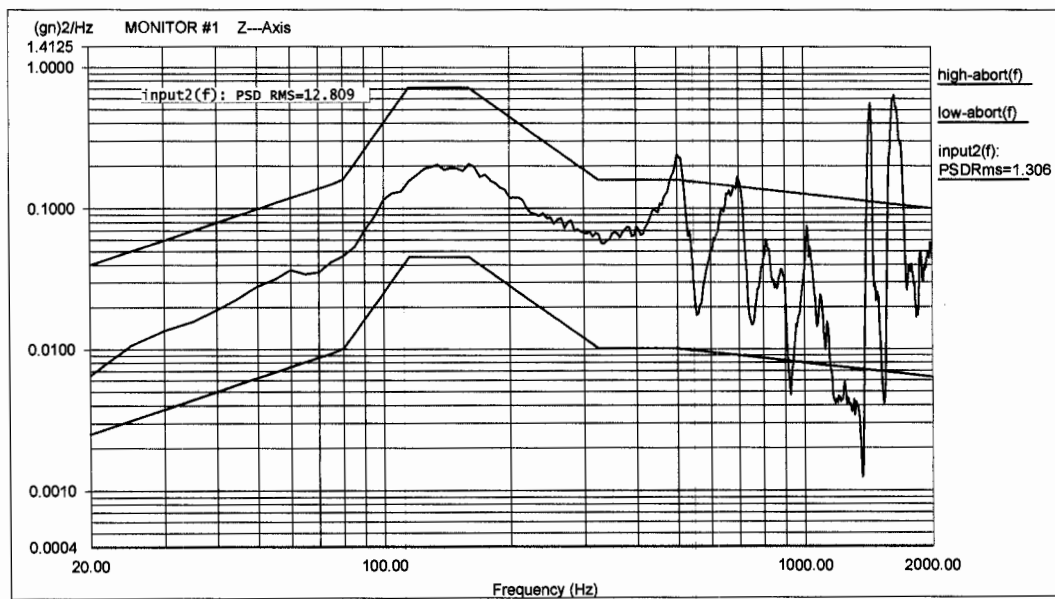
510 2525
Z-AXIS
AT RANDOM
3/30/06
①/2

QUANTA LABS. QL-06-258
Stanford Linear Accelerator Model: GLAT 2525 Z-AXIS RANDOM TEST
Project File Name: 20-2000 HZ 8.91G RMS.prj
Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 20-54-18



Level: 100 %
Control RMS: 8.941986 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz
Data saved at 08:56:30 PM, Thursday, March 30, 2006 Report created at 08:56:31 PM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
Stanford Linear Accelerator Model: GLAT 2525 Z-AXIS RANDOM TEST
Project File Name: 20-2000 HZ 8.91G RMS.prj
Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 20-54-18

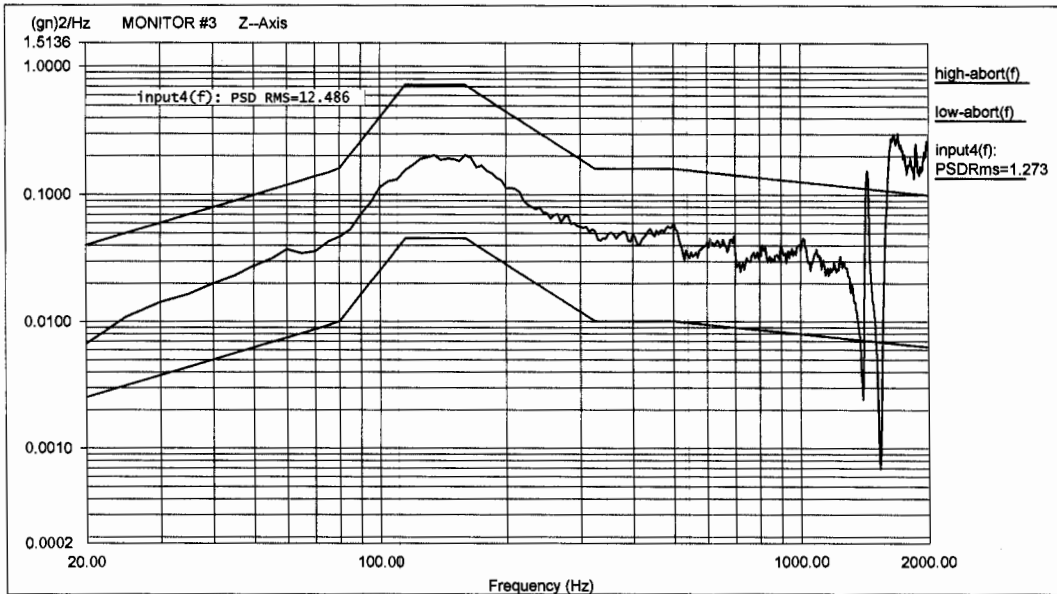


Level: 100 %
Control RMS: 8.941986 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz
Data saved at 08:56:30 PM, Thursday, March 30, 2006 Report created at 08:56:31 PM, Thursday, March 30, 2006

0/2

S10 2525
Z-AXIS
AT RANDOM
3/30/06

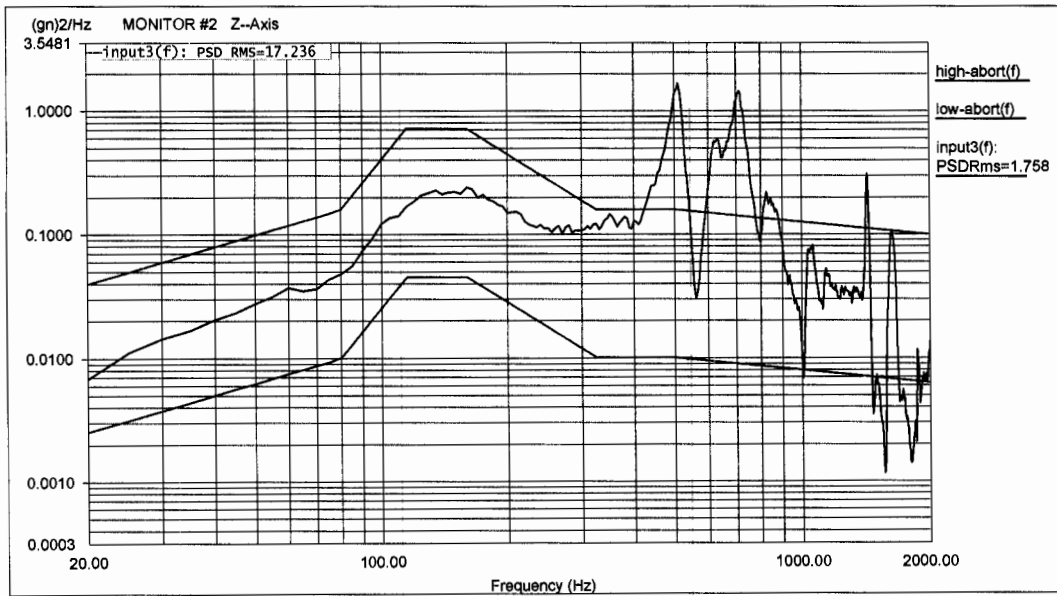
QUANTA LABS. QL-06-258
Stanford Linear Accelerator Model: GLAT 2525 Z-AXIS RANDOM TEST
Project File Name: 20-2000 HZ 8.91G RMS.prj
Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 20-54-18



Level: 100 %
Control RMS: 8.941986 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 08:56:30 PM, Thursday, March 30, 2006 Report created at 08:56:31 PM, Thursday, March 30, 2006

QUANTA LABS. QL-06-258
Stanford Linear Accelerator Model: GLAT 2525 Z-AXIS RANDOM TEST
Project File Name: 20-2000 HZ 8.91G RMS.prj
Profile Name: 20-2000Hz @ 8.91 G rms Test Type: Random Run Folder: \RunDefault Mar 30,2006 20-54-18



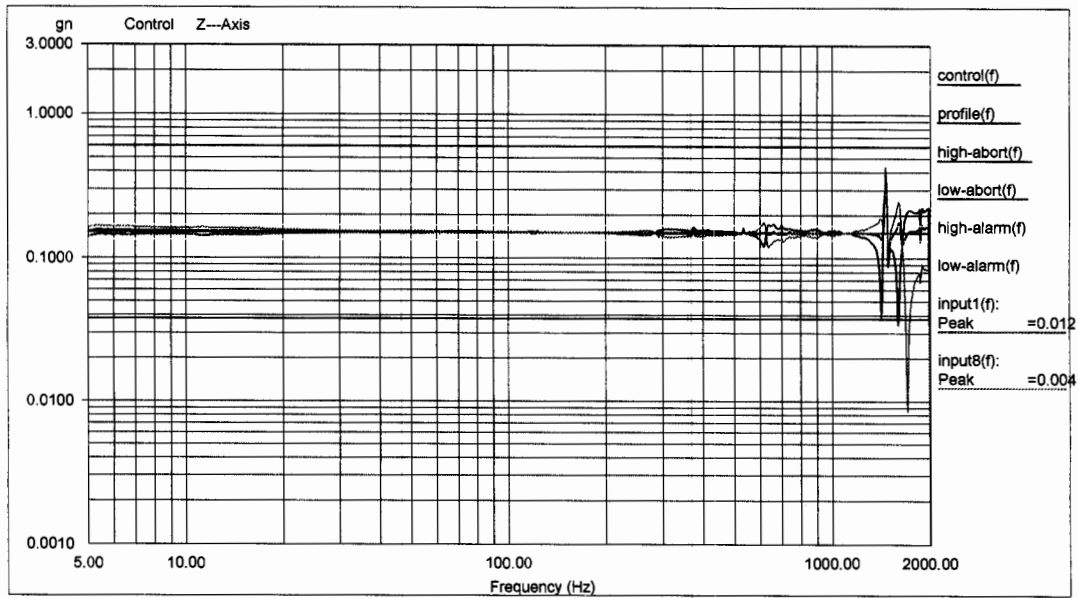
Level: 100 %
Control RMS: 8.941986 gn Full Level Elapsed Time: 00:01:00 Lines: 400 Frame Time: 0.200000 Seconds
Demand RMS: 8.915771 gn Remaining Time: 00:00:00 DOF: 154 dF: 5.000000 Hz

Data saved at 08:56:30 PM, Thursday, March 30, 2006 Report created at 08:56:31 PM, Thursday, March 30, 2006

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SIU 2525
Z-AXIS
POST-SIG
3/30/06

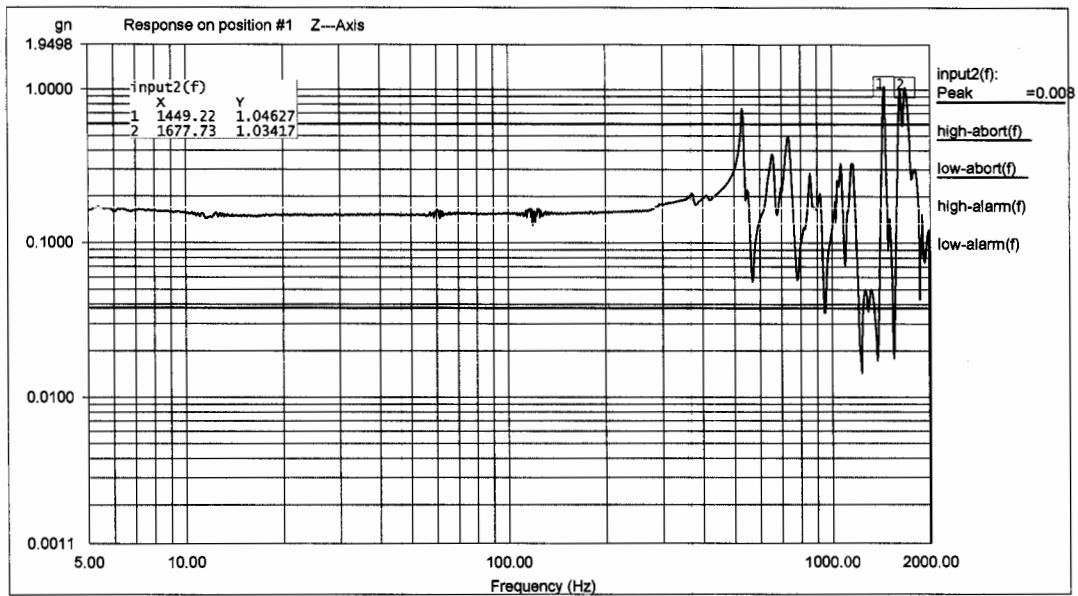
QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-58-14



Level: 100 % Control Peak: 0.003512 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1985.434570 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 09:03:26 PM, Thursday, March 30, 2006 Report created at 09:03:27 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
Project File Name: 5-2000 HZ 0.15 G.prj
Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-58-14

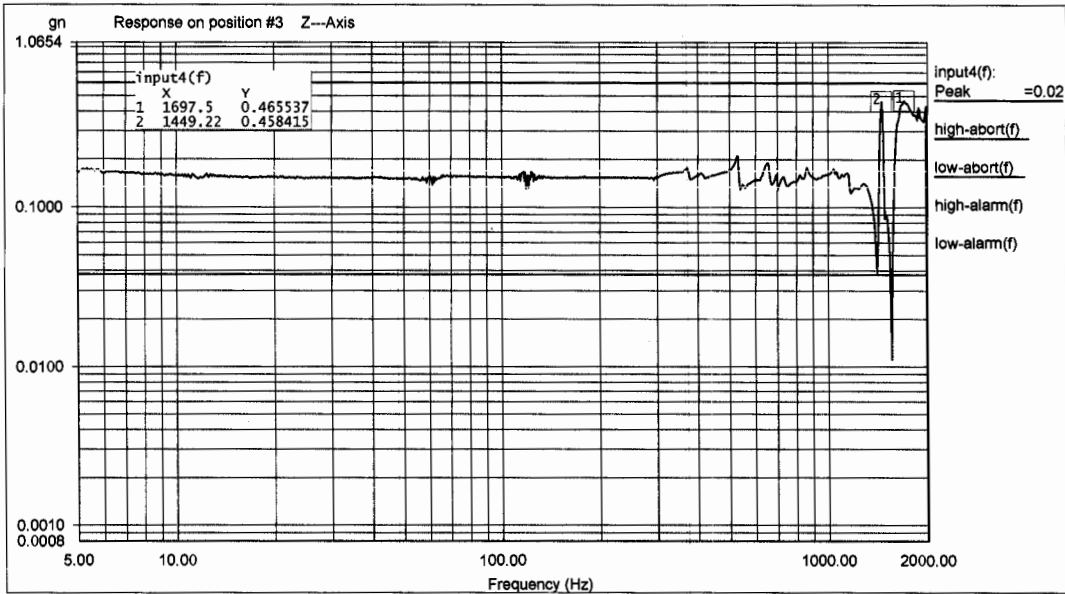


Level: 100 % Control Peak: 0.003512 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
Frequency: 1985.434570 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 09:03:26 PM, Thursday, March 30, 2006 Report created at 09:03:27 PM, Thursday, March 30, 2006

S10 2525
 Z-Axis
 POST-576
 3/30/06

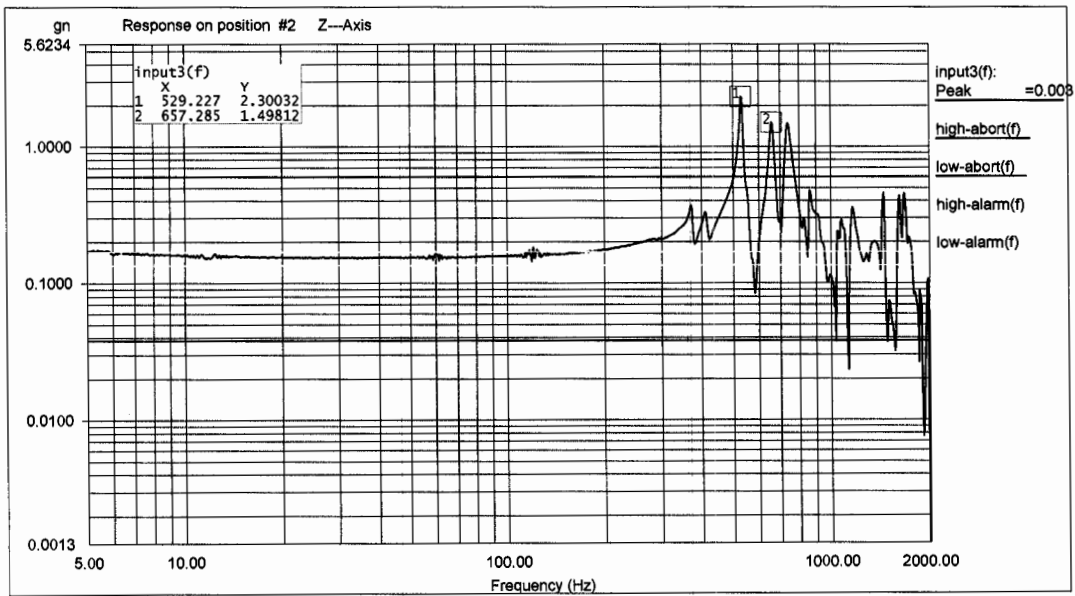
QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-58-14



Level: 100 % Control Peak: 0.003512 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1985.434570 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 09:03:26 PM, Thursday, March 30, 2006 Report created at 09:03:27 PM, Thursday, March 30, 2006

QUNANT LABS. QL-06-258
 STANFORD LINEAR ACCELERATOR MODEL:GLAT 2525 PRE SINE Z-AXIS
 Project File Name: 5-2000 HZ 0.15 G.prj
 Profile Name: 5-2000Hz @ 0.15G Test Type: Swept Sine Run Folder: \RunDefault Mar 30,2006 20-58-14



Level: 100 % Control Peak: 0.003512 gn Full Level Time: 00:04:19 Sweep Type: Logarithmic
 Frequency: 1985.434570 Hz Demand Peak: 0.150000 gn Time Remaining: 00:00:00 Sweep Rate: 2 Oct/Min

Data saved at 09:03:27 PM, Thursday, March 30, 2006 Report created at 09:03:28 PM, Thursday, March 30, 2006