NATIONAL TECHNICAL SYSTEMS
1146 Massachusetts Avenue
Boxborough, MA 01719
Phone: (978) 266-1001
Fax: (978) 266-1073
www.nts.com

Test Report Prepared

for

Digi-Pas

ACCREDITED
TESTING CERT. NO.
214.14 - 214.15

Issued: **October 5, 2015**

NTS

JOB INFORMATION

CLIENT INFORMATION	
Company Name:	Digi-Pas
Company Contact:	Ming Yong
Street Address:	304 W. Main Street, Suite 120
City, State, Zip:	Avon, CT 06001
Purchase Order Number:	92820161
Purchase Order Date:	March 31, 2015
Test Item Description:	DWL5000XY Sensor Module
Test Item Part Number:	DWL-5000 XY
Test Item Serial Number:	13B50030
Test Specification:	Client E-mail

NTS CONTRACT INFORMATION	
NTS Project (PR) Number:	PR035989
NTS Quotation Number:	OP0165609
Quotation Revision:	01
Quotation Date:	February 11, 2015

REFERENCES

ISO/IEC 17025:2005(E), *General Requirements for the Competence of Testing and Calibration Laboratories*, May 15, 2005

Client e-mail from Ming Yong to Dan McGinnis, February 5, 2015, February 10, 2015 & April 23, 2015

Rev. No.	Date	Page No.	Para. No.	Description
0	9/23/2015			Original
1	10/5/2015			Corrected per Client Email

Prepared by: Michael McCouch, Technical Writer

Approved by: Jeffrey Henn, Project Engineer

Reviewed by: Ronald Kelly, Quality Representative

TEST SUMMARY

This report summarizes testing performed in accordance with the relevant contractual documentation listed on the Job Information Page. This document presents a clear overview of the test program and deviations. It is the responsibility of the NTS client to evaluate pass/fail criteria on test unit's functionality.

Deviations in testing range from out of tolerance conditions, unit failure, changes in test profiles or other instances that are not within the scope of the test specification, and would be detailed in this report as Notices of Deviations.

Test Profile Pages provide a detailed description of test levels and test results. Typically each test shall have its own Test Profile Page.

The Test Equipment List summarizes the equipment used for all testing. This list also contains calibration due dates. If a more detailed list is required containing range, accuracy etc., please contact your Program Manager at NTS.

The test sequence below summarizes the order in which testing was performed. Please refer to the product description on the Test Profile Page and/or Receiver Page.

Test	Test Description	Start Date	End Date
1	Shock - 50G, 500G, 1500G, 3000G & 6000G	9/10/2015	9/10/2015

NOTICE OF DEVIATION

Client:	Digi-Pas	**Job #:**	PR035989	**NOD #:**	D1
P. O. #:	92820161	**Date of Deviation:**	9/10/2015	**CPAR #:**	N/A
Notification Made To: *(Client Contact)*	Ming Yong	**Notification Made By:**	Miriam O'Hara		
If notification was not made, provide justification:	N/A				
Date:	9/10/15	**Via:**	E-mail		
Test:	6000G Shock	**Test Item:**	Sensor Module		
Specification:	Client Email 2/11/2015	**Model or P/N:**	DWL5000XYSERIES		
Revision/Date:	N/A	**Serial Number:**	13B50030		

REQUIREMENTS: *(Reference paragraph or section of specification)*

50g/500g/1500g/3000g/6000g 0.5 MS Half-Sine Shocks on 2 axes (X+ /-, Y+ /-), 5 shocks per direction.

DESCRIPTION OF DEVIATION

Testing was completed in both axes on the 50g/500g/1500g/3000g levels with no functional or physical damages noted. The unit was tested operational throughout testing. After completion of the first five shocks in the Y+ axis,(at 6000g) the unit stopped working. The unit was removed from its fixture and was noticed to have some rattling inside.

DISPOSITIONS/COMMENTS/RECOMMENDATIONS:

No further testing was completed on this unit.

		Ronald Kelly,	9/14/15
Client Test Witness (if applicable)	Date	NTS Quality Representative	Date
	9/10/15		
Clayton Forbes, NTS Project Engineer	Date	Government QAR (if applicable)	Date

NOTE: ***IT IS THE CLIENT'S RESPONSIBILITY TO ANALYZE AND DISPOSITION DEVIATIONS ON CLIENT TEST PROGRAMS.***

FOR NTS QA USE: ***Tracking Code: 3***

1. Employee Error	*2. Test Equipment Problem*	*3. Customer Item Problem*	*4. Weather*	*5. Power Failure*	*6. Equipment Limitations*	*7. Other*

NTS

TEST PROFILE

Customer Name:	Digi-Pas	Unit(s) Under Test:	DWL5000XY Sensor Module
Test Name:	50G Shock	Quantity:	1
Specification:	Client E-mail	P/N(s):	DWL-5000 XY
Spec. Date:	April 23, 2015	S/N(s):	13B50030
From:	Ming Yong		

Amplitude (g's):	50
Duration (ms):	0.5
Pulse Shape:	Half Sine
Number of Pulses per Direction:	5
Number of Axes:	2
Total Number of Pulses:	20
Control Accel. Location:	One on Fixture

TEST SETUP AND RESULTS

Test Started:	9/10/2015	Test Completed:	9/10/2015

Unit Under Test Information	Y	N	N/A	Comments
Tested in shipping container:		X		N/A
Operating during test:	X			N/A
Operated by client:		X		Operated by NTS technician.
Powered during testing:	X			N/A
Passes post-test functionals:	X			Performed after each axis was completed.
Physical damage noted:		X		N/A
Does unit(s) pass requirements:	X			N/A
Test profile checked:	X			N/A

COMMENTS:
The Sensor Module was subjected to the 50G shock profile in the X and Y axes only, and in both the positive and negative directions. The Sensor Module was powered on and monitored throughout all shock testing. No apparent physical damage or operational anomalies were noted after testing was completed. The Sensor Module moved onto the 500G shock profile next.

Test Technician:	Jeff Rodriguez

NTS

TEST PROFILE

Customer Name:	Digi-Pas	Unit(s) Under Test:	DWL5000XY Sensor Module
Test Name:	500G Shock	Quantity:	1
Specification:	Client E-mail	P/N(s):	DWL-5000 XY
Spec. Date:	April 23, 2015	S/N(s):	13B50030
From:	Ming Yong		

Amplitude (g's):	500
Duration (ms):	0.5
Pulse Shape:	Half Sine
Number of Pulses per Direction:	5
Number of Axes:	2
Total Number of Pulses:	20
Control Accel. Location:	One on Fixture

TEST SETUP AND RESULTS

Test Started:	9/10/2015	Test Completed:	9/10/2015

Unit Under Test Information	Y	N	N/A	Comments
Tested in shipping container:		X		N/A
Operating during test:	X			N/A
Operated by client:		X		Operated by NTS technician.
Powered during testing:	X			N/A
Passes post-test functionals:	X			Performed after each axis was completed.
Physical damage noted:		X		N/A
Does unit(s) pass requirements:	X			N/A
Test profile checked:	X			N/A

COMMENTS:
The Sensor Module was subjected to the 500G shock profile in the X and Y axes only, and in both the positive and negative directions. The Sensor Module was powered on and monitored throughout all shock testing. No apparent physical damage or operational anomalies were noted after testing was completed. The Sensor Module moved onto the 1500G shock profile next.

Test Technician:	Jeff Rodriguez

NTS

TEST PROFILE

Customer Name:	Digi-Pas	Unit(s) Under Test:	DWL5000XY Sensor Module
Test Name:	1500G Shock	Quantity:	1
Specification:	Client E-mail	P/N(s):	DWL-5000 XY
Spec. Date:	April 23, 2015	S/N(s):	13B50030
From:	Ming Yong		

Amplitude (g's):	1500
Duration (ms):	0.5
Pulse Shape:	Half Sine
Number of Pulses per Direction:	5
Number of Axes:	2
Total Number of Pulses:	20
Control Accel. Location:	One on Fixture

TEST SETUP AND RESULTS

Test Started:	9/10/2015	Test Completed:	9/10/2015

Unit Under Test Information	Y	N	N/A	Comments
Tested in shipping container:		X		N/A
Operating during test:	X			N/A
Operated by client:		X		Operated by NTS technician.
Powered during testing:	X			N/A
Passes post-test functionals:	X			Performed after each axis was completed.
Physical damage noted:		X		N/A
Does unit(s) pass requirements:	X			N/A
Test profile checked:	X			N/A

COMMENTS:
The Sensor Module was subjected to the 1500G shock profile in the X and Y axes only, and in both the positive and negative directions. The Sensor Module was powered on and monitored throughout all shock testing. No apparent physical damage or operational anomalies were noted after testing was completed. The Sensor Module moved onto the 3000G shock profile next.

Test Technician:	Jeff Rodriguez

NTS

TEST PROFILE

Customer Name:	Digi-Pas	Unit(s) Under Test:	DWL5000XY Sensor Module
Test Name:	3000G Shock	Quantity:	1
Specification:	Client E-mail	P/N(s):	DWL-5000 XY
Spec. Date:	April 23, 2015	S/N(s):	13B50030
From:	Ming Yong		

Amplitude (g's):	3000
Duration (ms):	0.5
Pulse Shape:	Half Sine
Number of Pulses per Direction:	5
Number of Axes:	2
Total Number of Pulses:	20
Control Accel. Location:	One on Fixture

TEST SETUP AND RESULTS

Test Started:	9/10/2015	Test Completed:	9/10/2015

Unit Under Test Information	Y	N	N/A	Comments
Tested in shipping container:		X		N/A
Operating during test:	X			N/A
Operated by client:		X		Operated by NTS technician.
Powered during testing:	X			N/A
Passes post-test functionals:	X			Performed after each axis was completed.
Physical damage noted:		X		N/A
Does unit(s) pass requirements:	X			N/A
Test profile checked:	X			N/A

COMMENTS:
The Sensor Module was subjected to the 3000G shock profile in the X and Y axes only, and in both the positive and negative directions. The Sensor Module was powered on and monitored throughout all shock testing. No apparent physical damage or operational anomalies were noted after testing was completed. The Sensor Module moved onto the 6000G shock profile next.

Test Technician:	Jeff Rodriguez

NTS

TEST PROFILE

Customer Name:	Digi-Pas	Unit(s) Under Test:	DWL5000XY Sensor Module
Test Name:	6000G Shock	Quantity:	1
Specification:	Client E-mail	P/N(s):	DWL-5000 XY
Spec. Date:	April 23, 2015	S/N(s):	13B50030
From:	Ming Yong		

Amplitude (g's):	6000
Duration (ms):	0.5
Pulse Shape:	Half Sine
Number of Pulses per Direction:	5
Number of Axes:	1
Total Number of Pulses:	5
Control Accel. Location:	One on Fixture

TEST SETUP AND RESULTS

Test Started:	9/10/2015	Test Completed:	9/10/2015

Unit Under Test Information	Y	N	N/A	Comments
Tested in shipping container:		X		N/A
Operating during test:	X			N/A
Operated by client:		X		Operated by NTS technician.
Powered during testing:	X			N/A
Passes post-test functionals:	X			Performed after each axis was completed.
Physical damage noted:		X		N/A
Does unit(s) pass requirements:	X			N/A
Test profile checked:	X			N/A

COMMENTS:
The Sensor Module was subjected to the 6000G shock profile in the Y+ axis only. The Sensor Module was powered on and monitored throughout all shock testing. After completion of the first five shocks, the unit was removed from its fixture for rotation and was tested for operation. The unit suffered a failure. No further testing was completed. See NOD D1 for details.

Test Technician:	Jeff Rodriguez

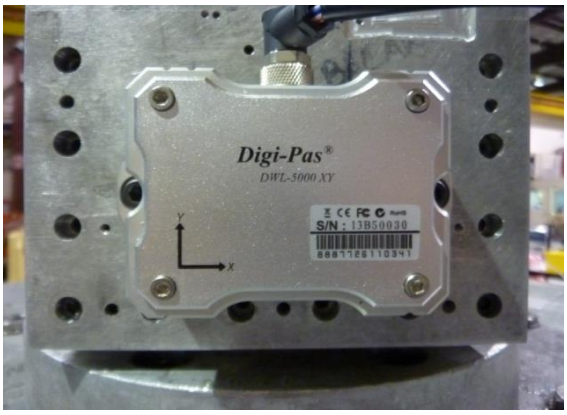
TEST EQUIPMENT LIST

Work Center	Legacy ID	Manufacturer	Description	M/N	S/N	Range	Cal Interval	Cal Due
WC004617	BX0405	PCB Piezotronics	Shock Machine	IMPAC 66	9	Max. Acceleration:10,000G	NCR	NCR
WC002931	BX2615	PCB Piezotronics	Accelerometer	353B04/ACS-23	130699	10 mv/g, 1 to 7 kHz	6	12/12/2015
WC024697	BX4344	PCB Piezotronics	Signal Conditioner	483B17	140	12 Channel	12	03/02/2016
WC005173	BX0627	Spectral Dynamics	Vibration Controller, 4-Channel	2552B	2932-7633D	0 to 16VDC, ±0.15%	6	11/20/2015
WC005166	BX0501	Spectral Dynamics	Vibration Control System, 4-Channel	2552-9715-1	2932-7776	0 to 20 kHz	12	02/23/2016
WC005871	BX3855	Unholtz-Dickie	Vibration Shaker (C), T-1000	T1000 AR	163	Freq. Range: 4 to 3,500 Hz; Force Rating: 19,000 lbf; Displacement: 1" p-p, Velocity: 90 in/s	NCR	NCR
WC004605	BX1612	PCB Piezotronics	Shock Accelerometer	M350B04	C8212	4 Hz to 10 kHz	12	01/08/2016
WC004171	BX0568	PCB Piezotronics	PCB Power Supply, 6-Channel	483A08	319	-15 VDC to 24 VDC	12	02/02/2016

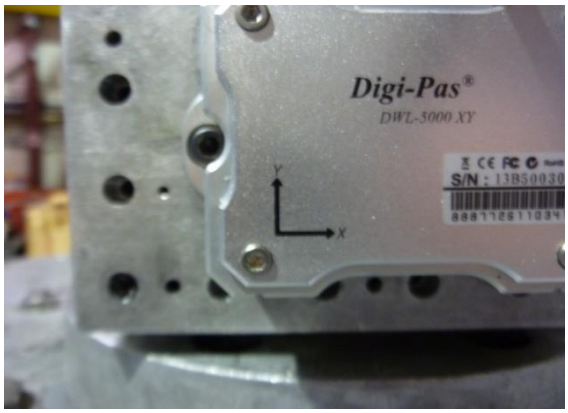
NCR: No Calibration Required

TEST PHOTOGRAPHS

UUT Identification Label

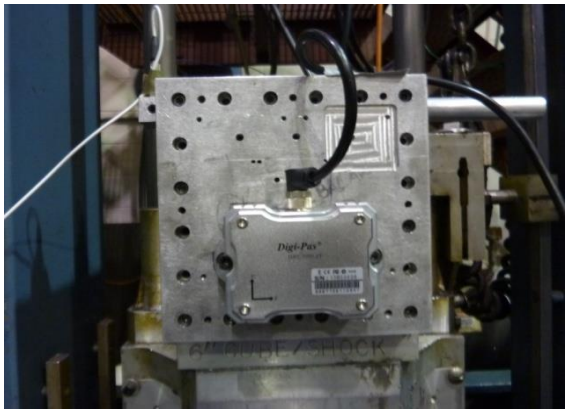


DWL500 XY Sensor Module

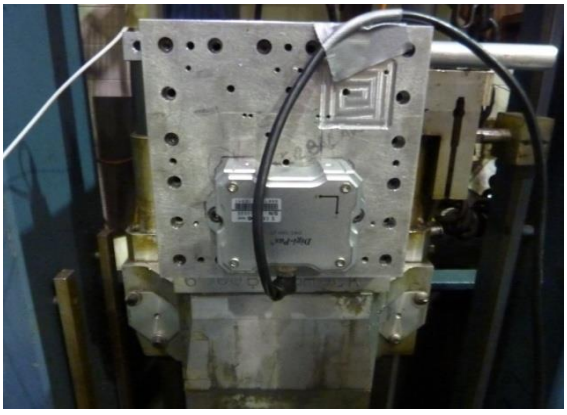


Axis Definitions

Customer Support Equipment

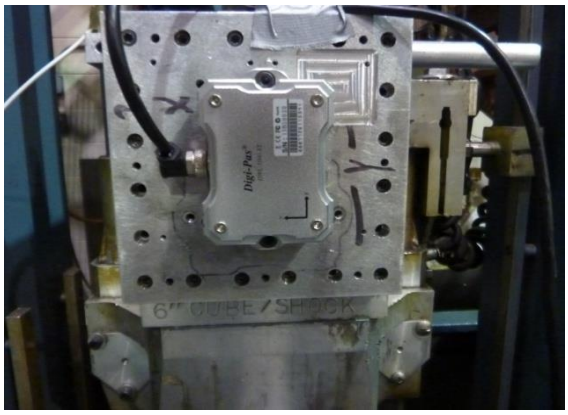


Y+ Shock Setup

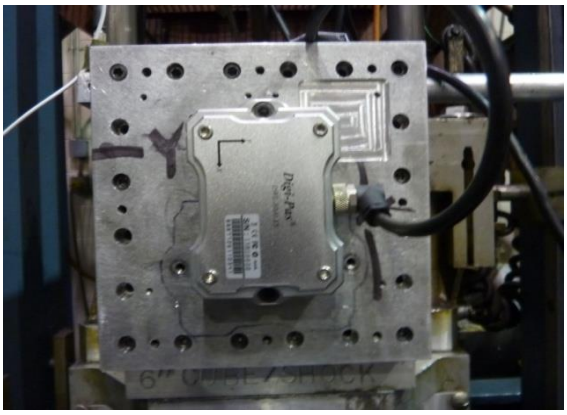


Y- Shock Setup

TEST PHOTOGRAPHS



X+ Shock Setup

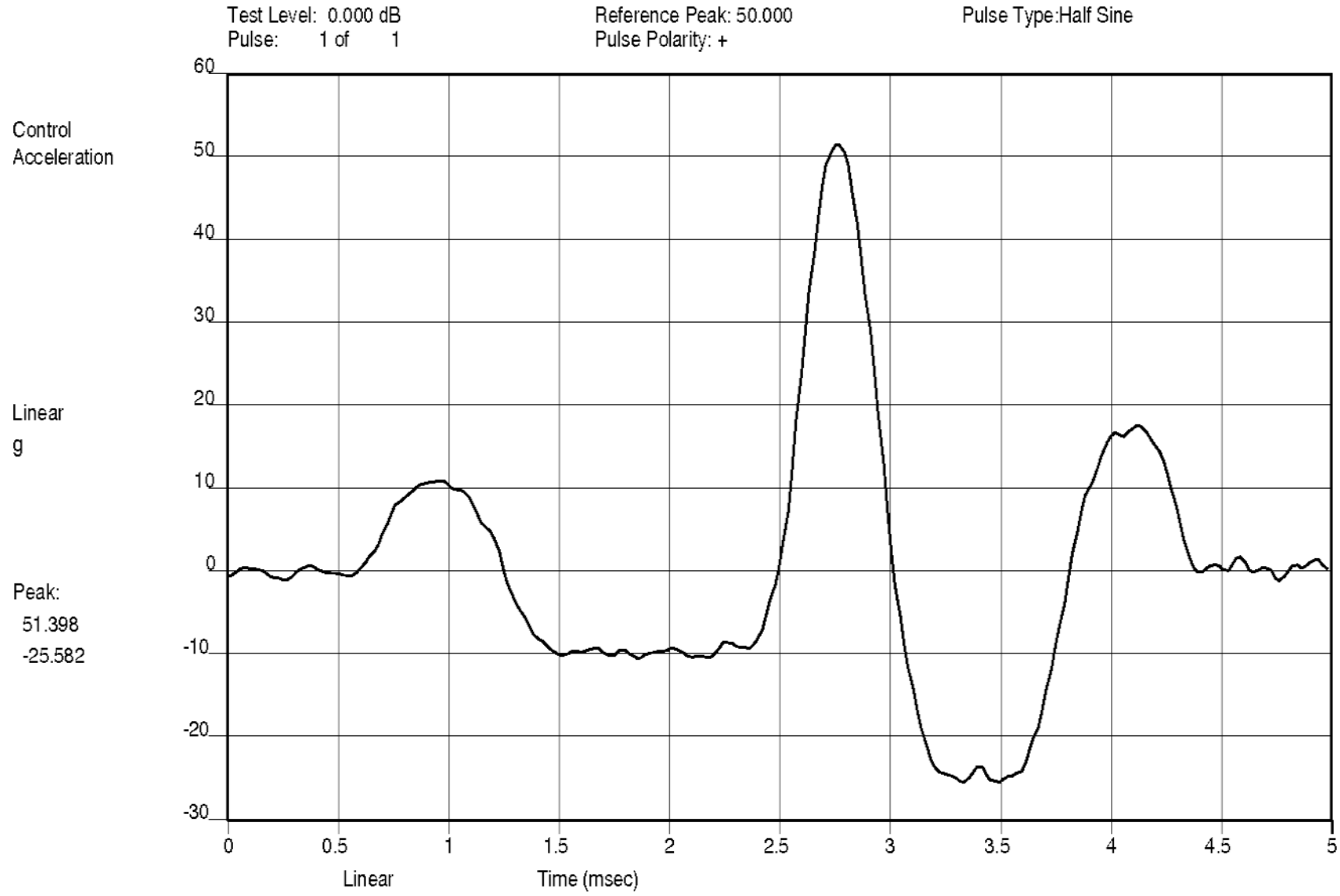


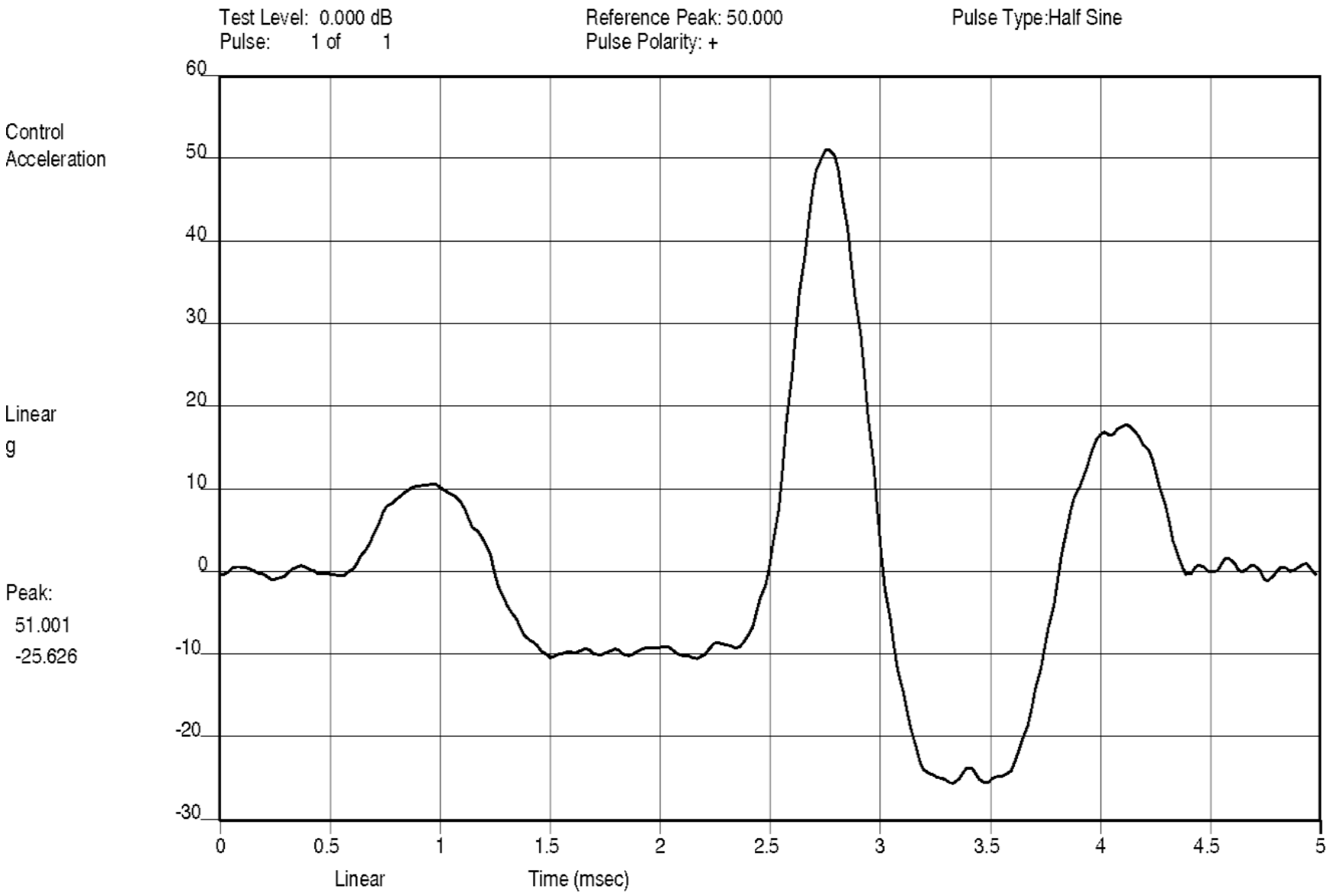
X- Shock Setup

RECEIVER

Unit(s) Received by:		Jeff Rodriguez		Date:	9/10/2015
ITEM	**QTY.**	**P/N**	**S/N**	**Description**	**Ready for Test**
1	1	DWL-5000 XY	13B50030	DWL5000 XY Sensor Module	Yes

Test 1 Y-axis Shock 50G

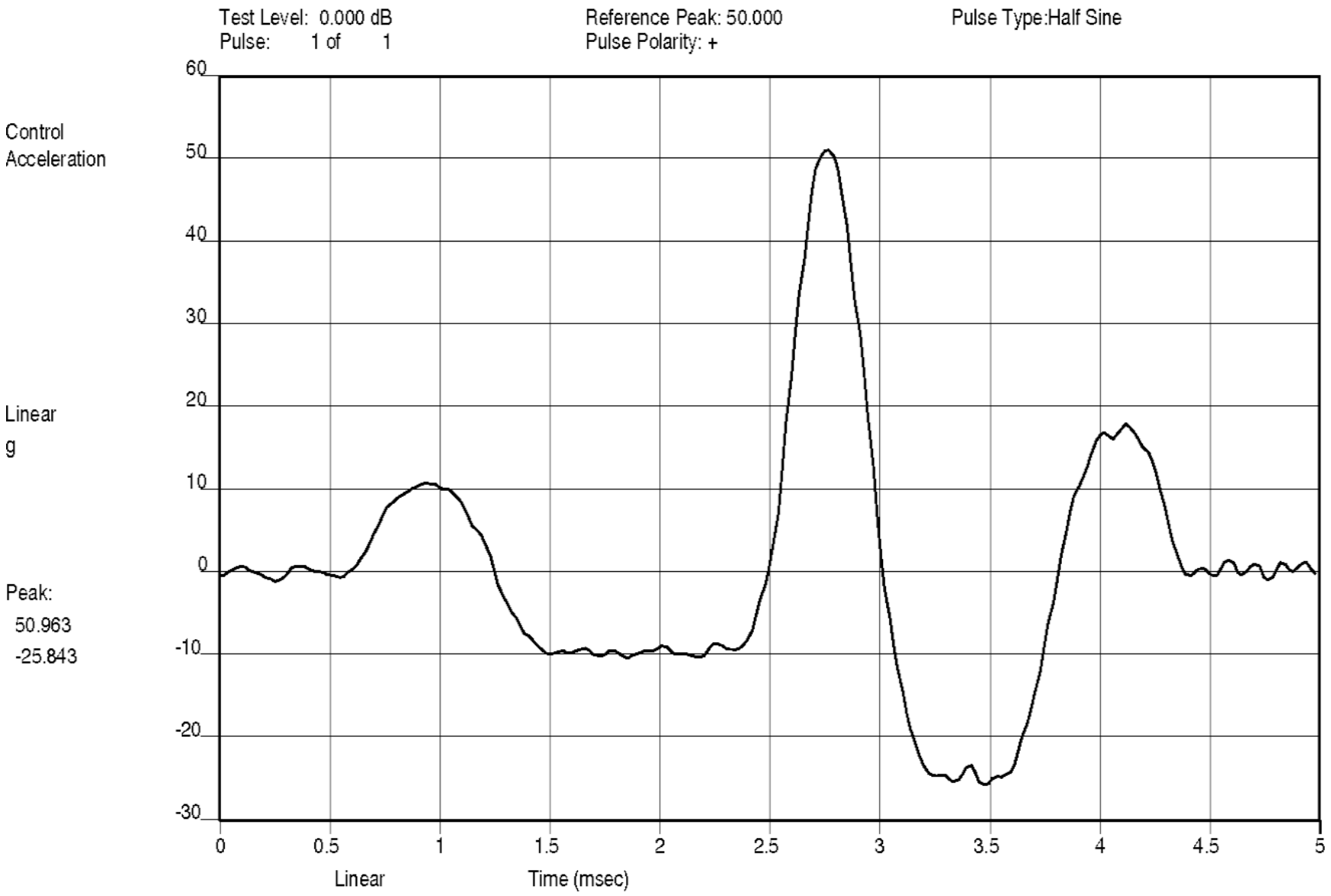




11:37:06.2
Thu Sep 10 2015

PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (2 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023



11:37:13.5
Thu Sep 10 2015

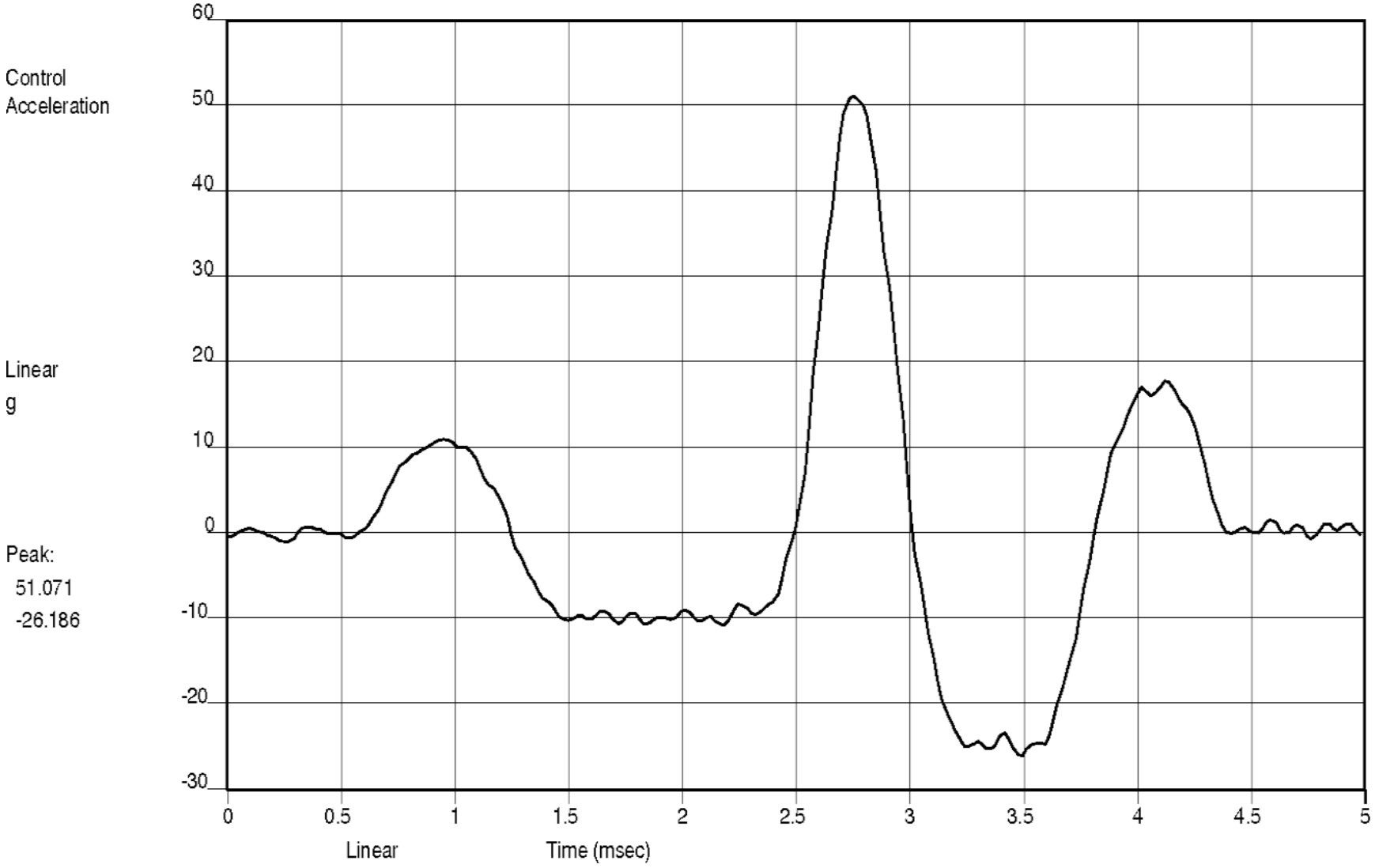
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (3 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: +

Pulse Type:Half Sine

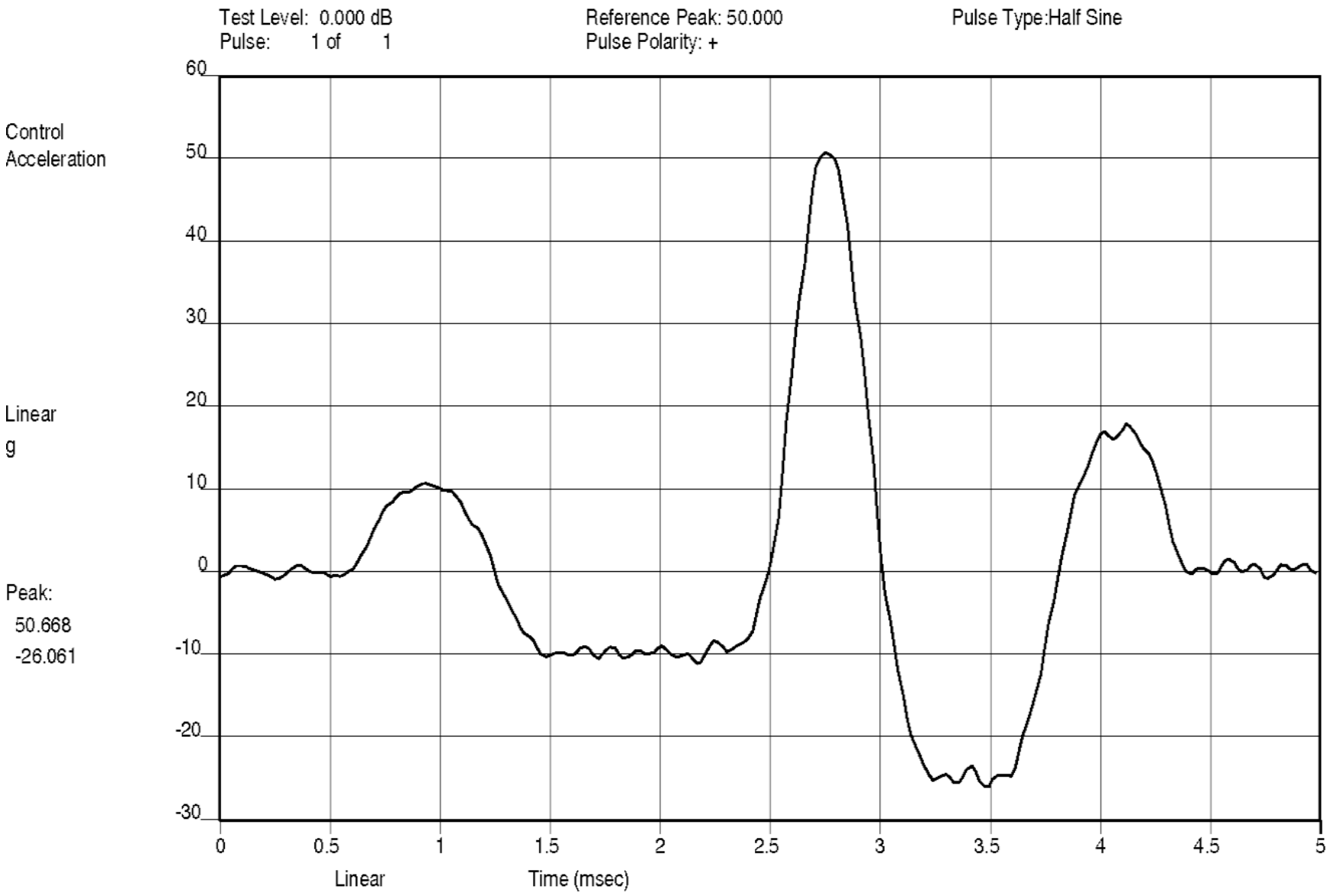


CONTROL 1

11:37:21.4
Thu Sep 10 2015

PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (4 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023



11:37:27.7
Thu Sep 10 2015

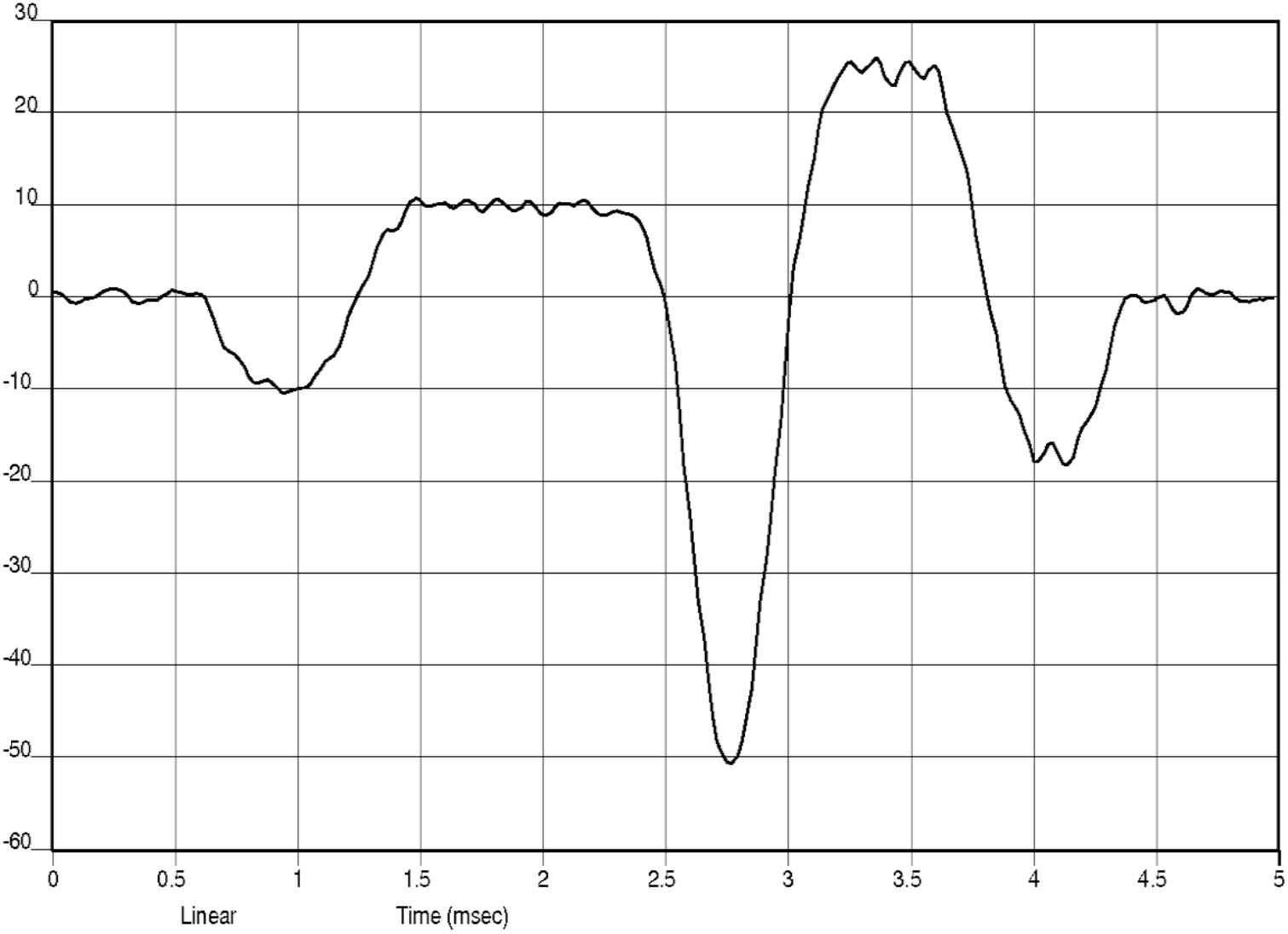
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (5 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: -

Pulse Type:Half Sine

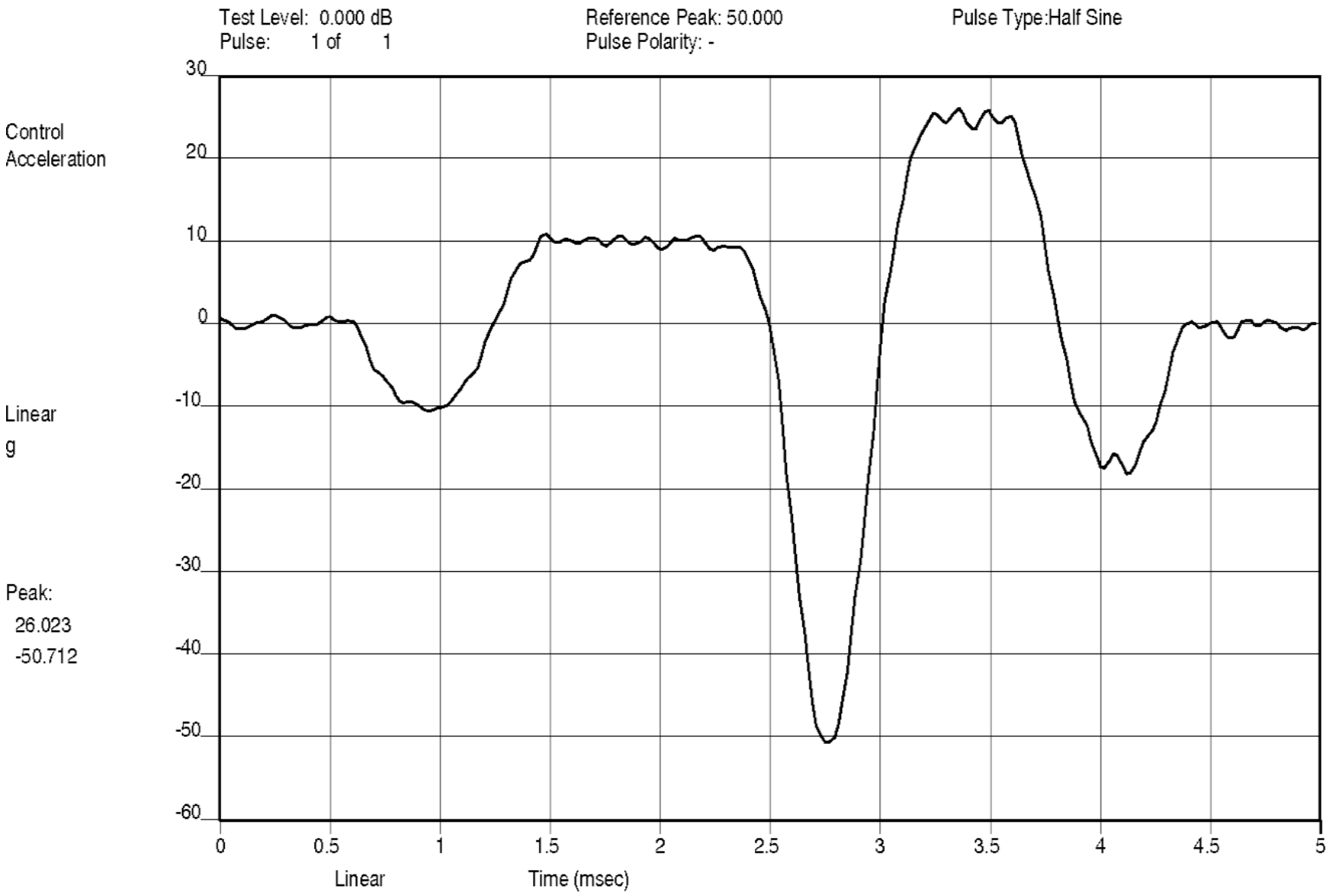


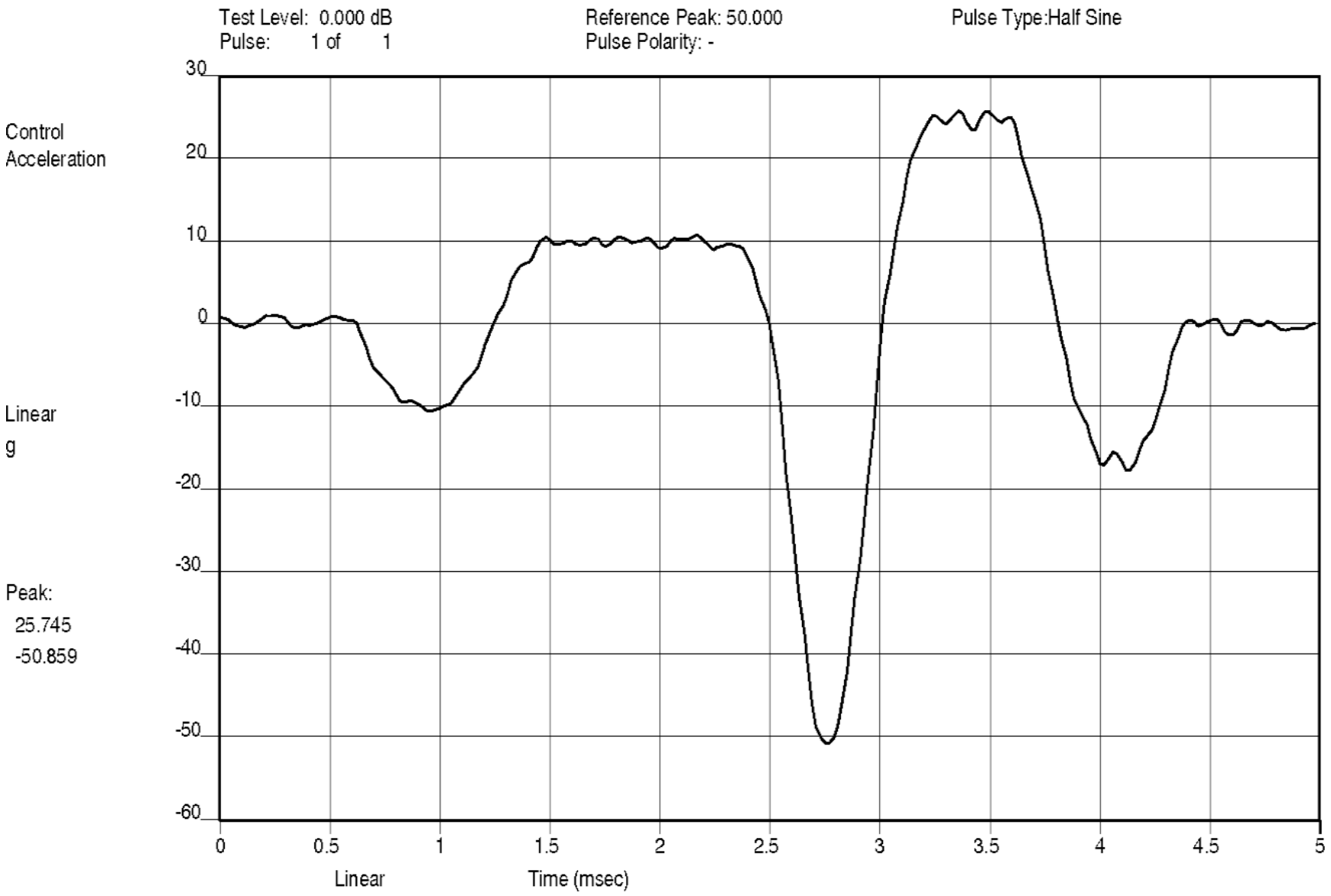
CONTROL 1

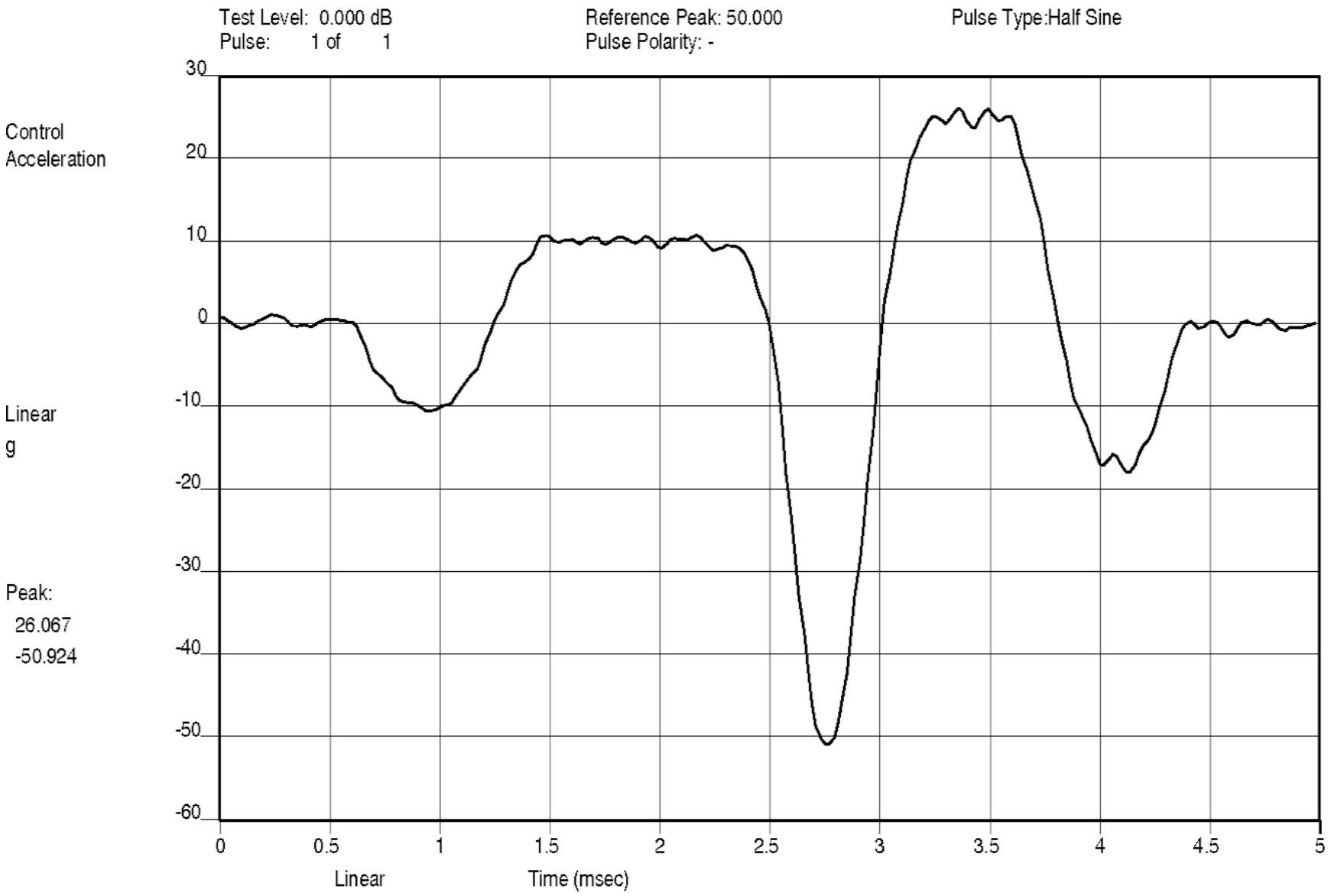
11:37:34.4
Thu Sep 10 2015

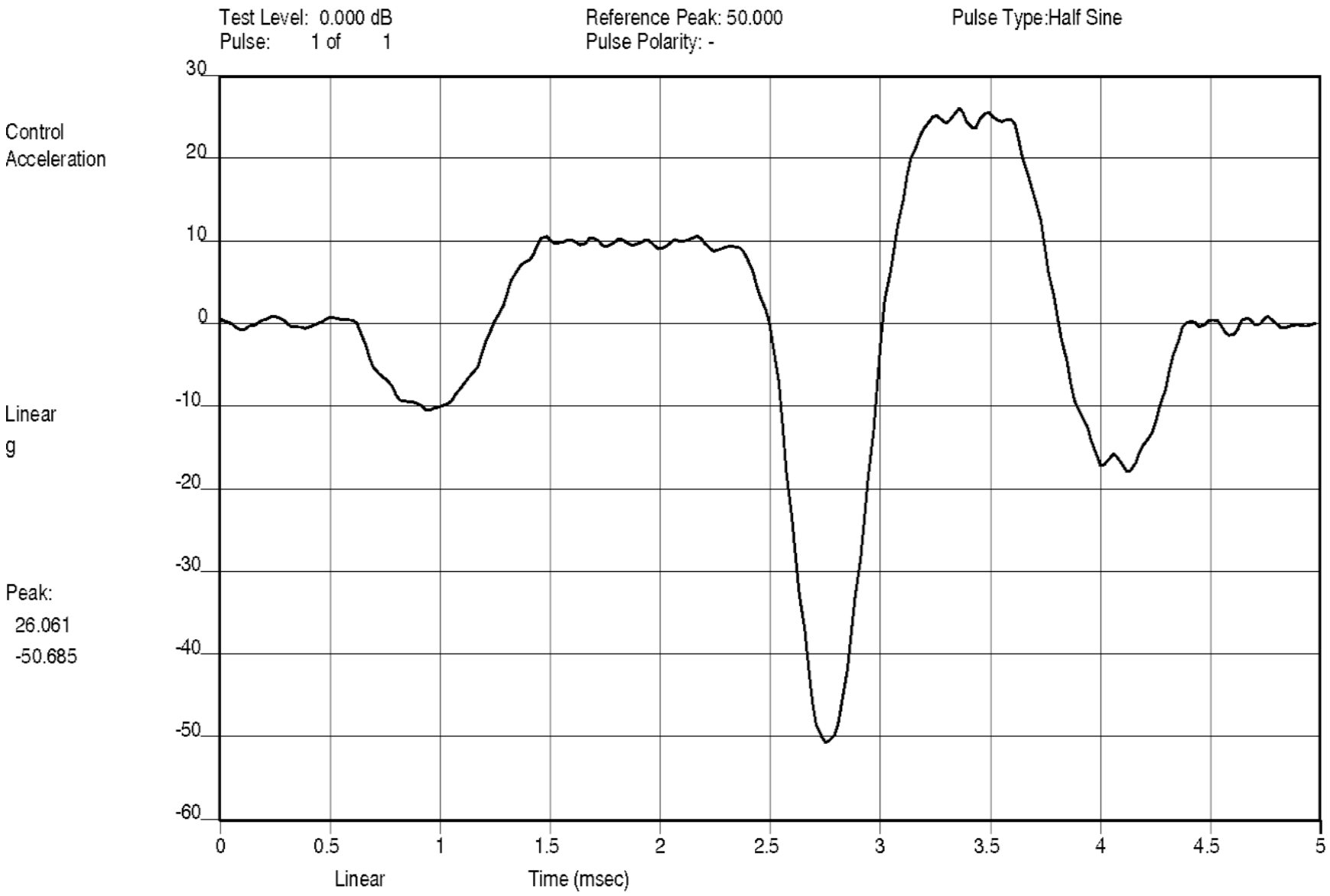
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (1 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
26.023
-50.712
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:37:41.2
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (2 OF 5)
Classical Shock Test Name: 50G_10MS_HS.023


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
25.745
-50.859
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:37:48.8
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (3 OF 5)
Classical Shock Test Name: 50G_10MS_HS.023


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
26.067
-50.924
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:37:54.6
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (4 OF 5)
Classical Shock Test Name: 50G_10MS_HS.023

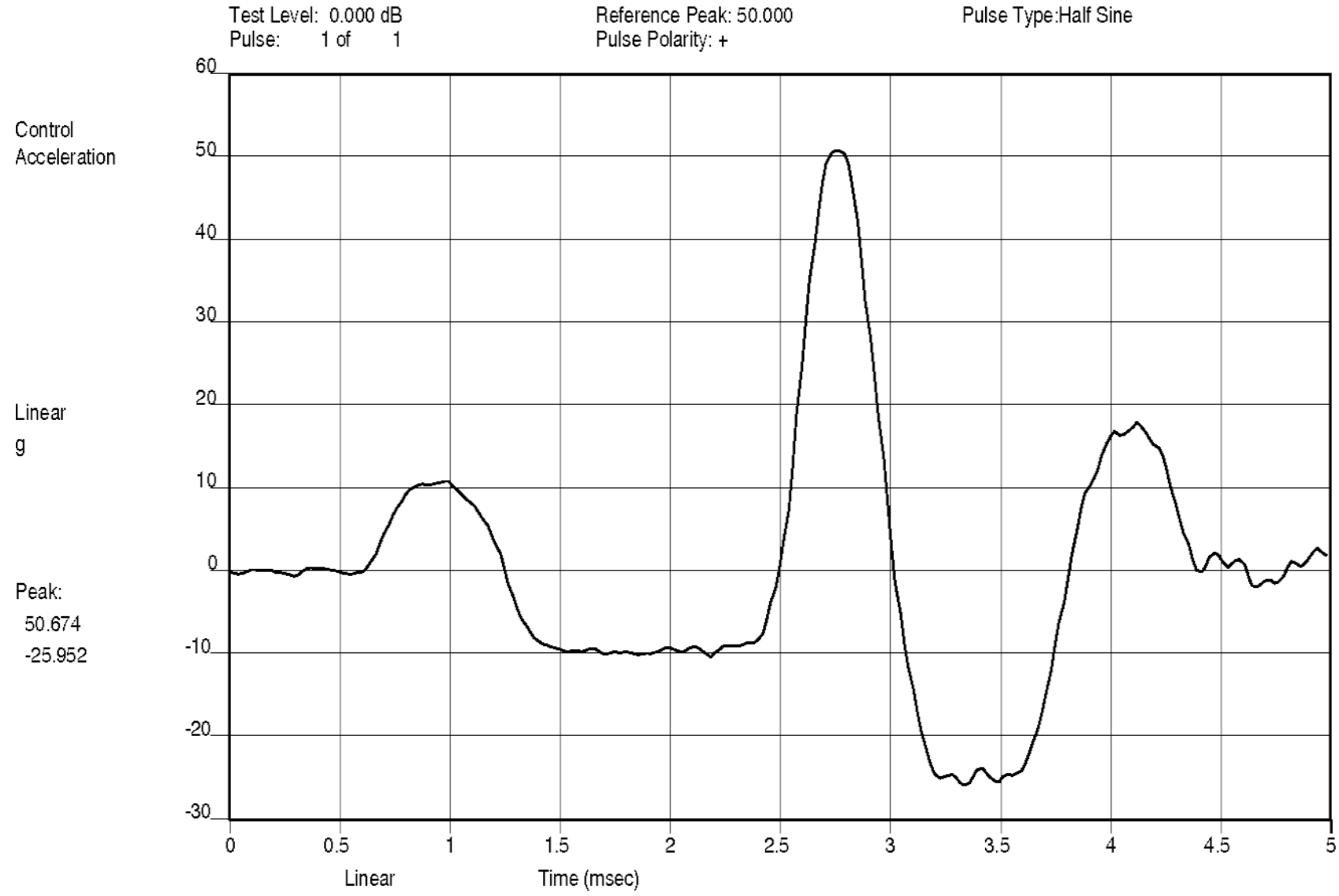


11:38:01.0
Thu Sep 10 2015

PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#1 AXIS: Y SHOCK 50G 0.5MS HALF-SINE (5 OF 5)

Classical Shock Test Name: 50G_10MS_HS.023

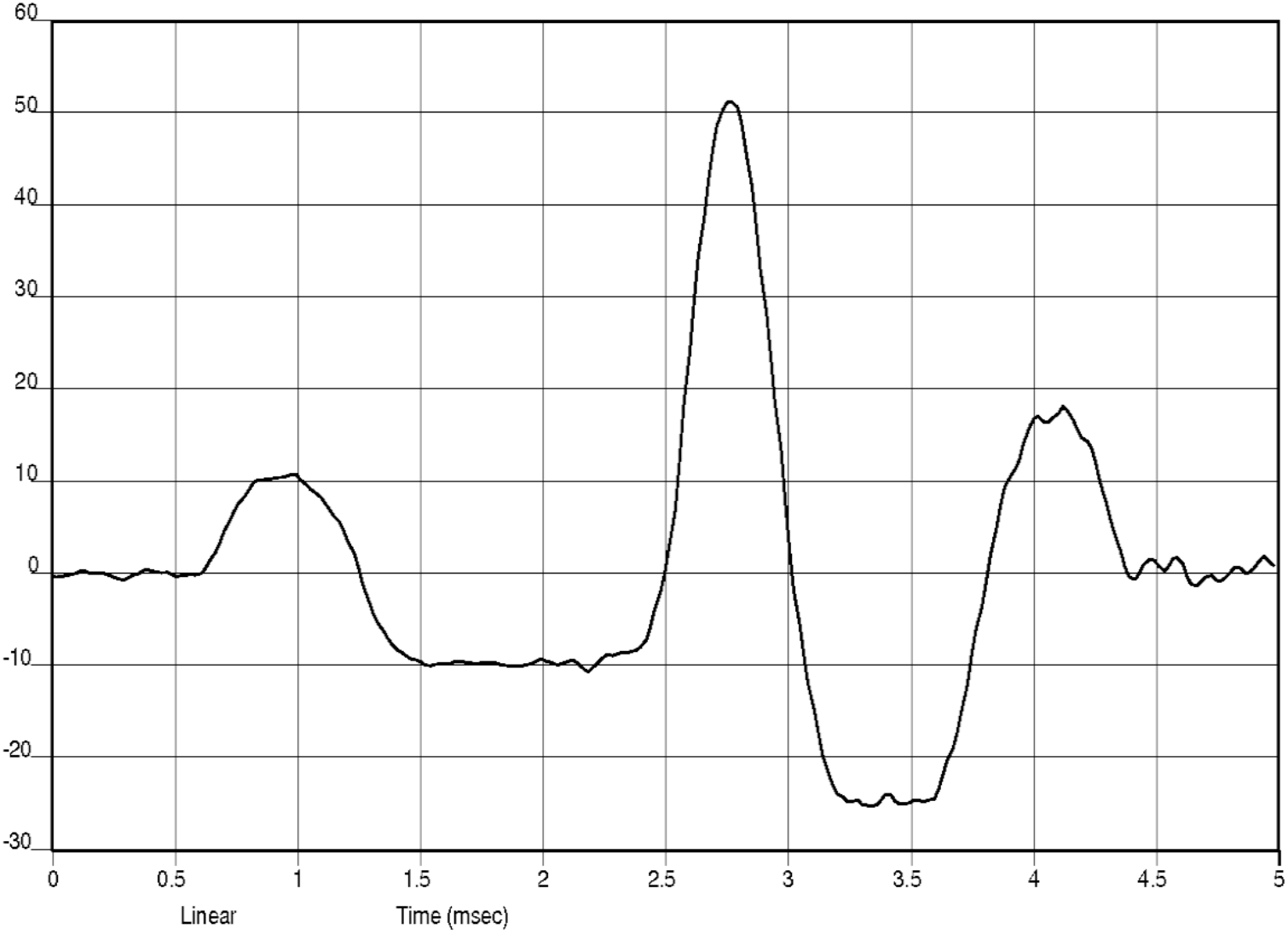
Test 2 X-axis Shock 50G



Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: +

Pulse Type:Half Sine

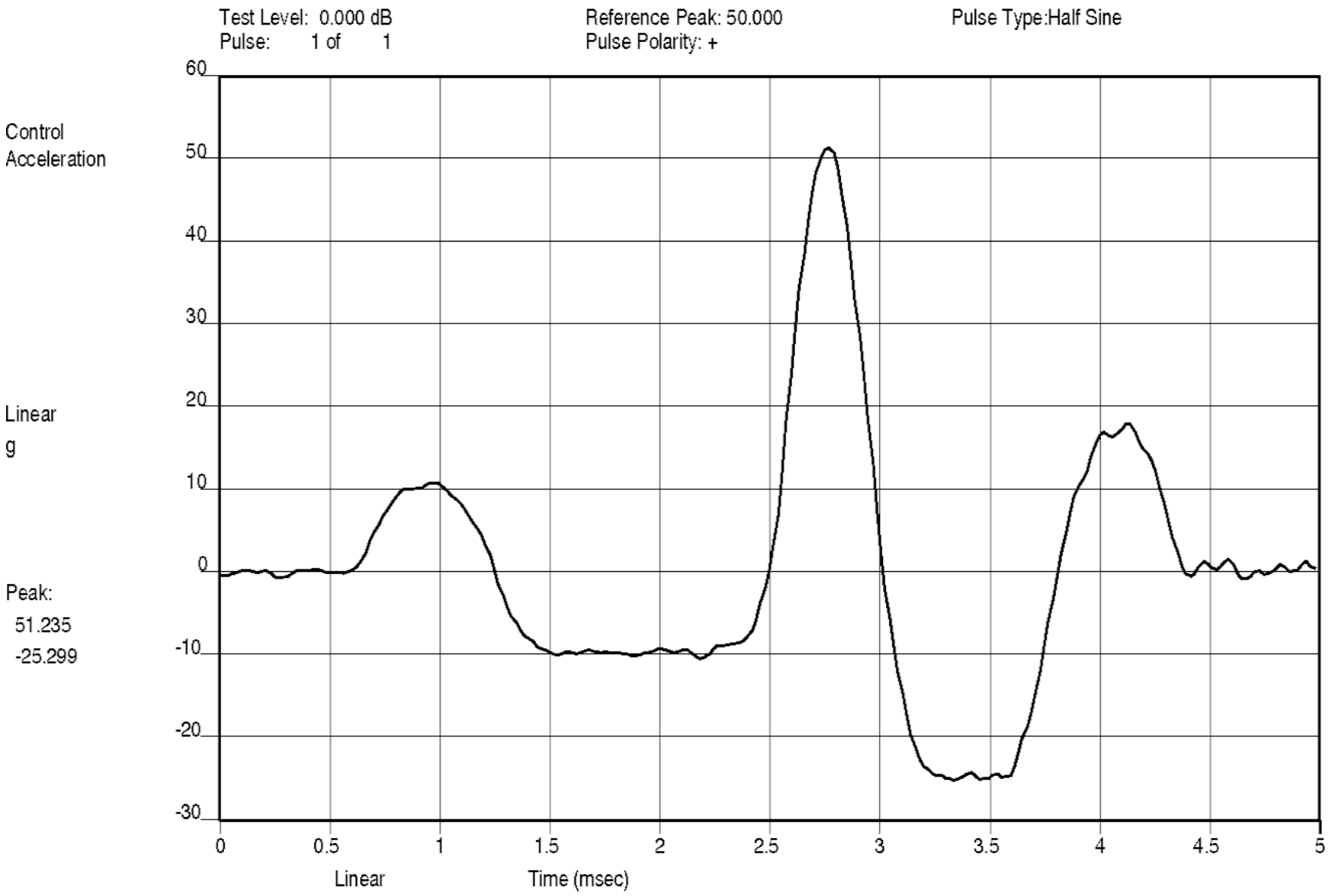


CONTROL 1

11:42:55.0
Thu Sep 10 2015

PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (2 OF 5)

Classical Shock Test Name: 50G_10MS_HS.024



11:43:00.8
Thu Sep 10 2015

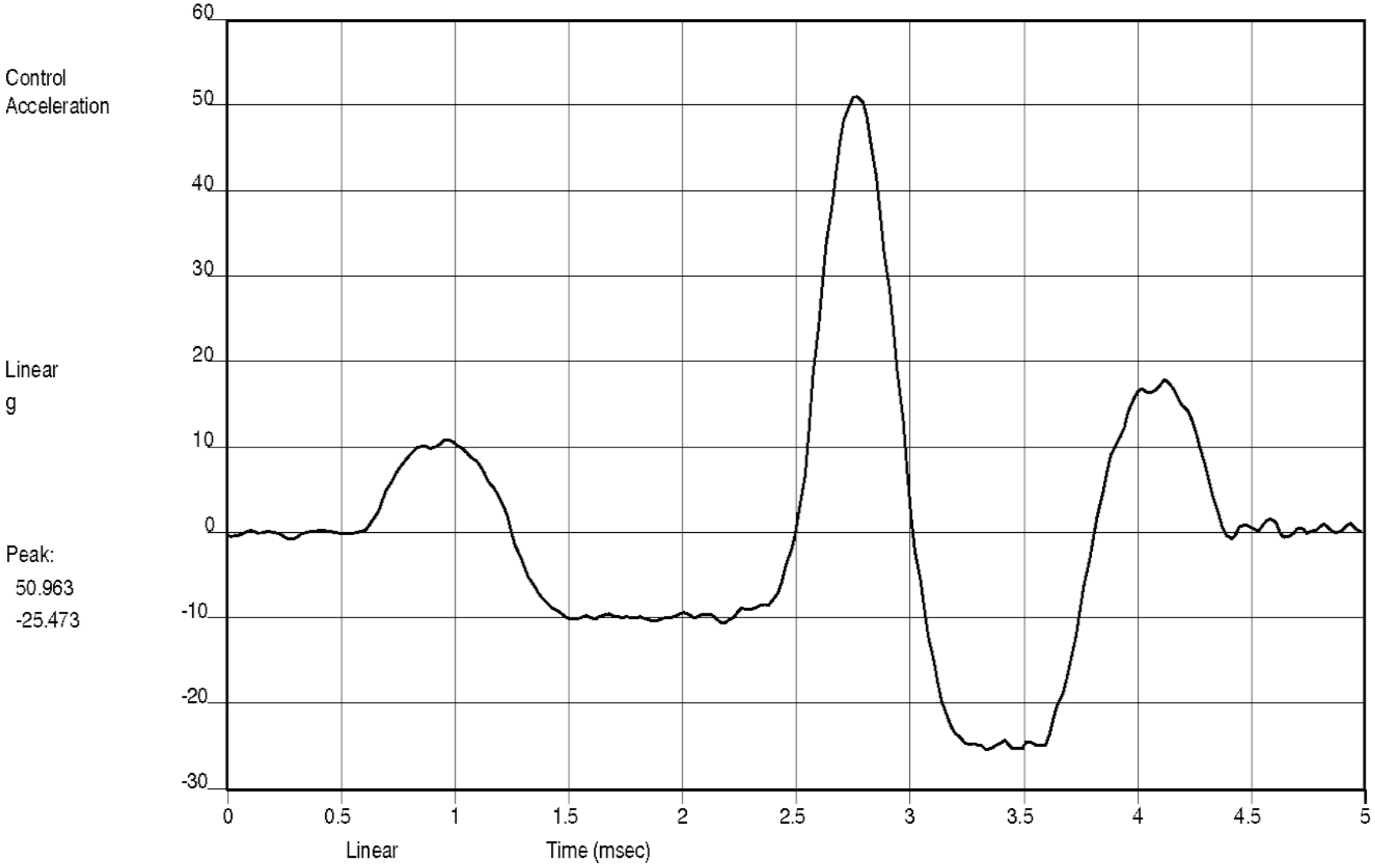
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (3 OF 5)

Classical Shock Test Name: 50G_10MS_HS.024

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: +

Pulse Type:Half Sine



CONTROL 1

11:43:07.3
Thu Sep 10 2015

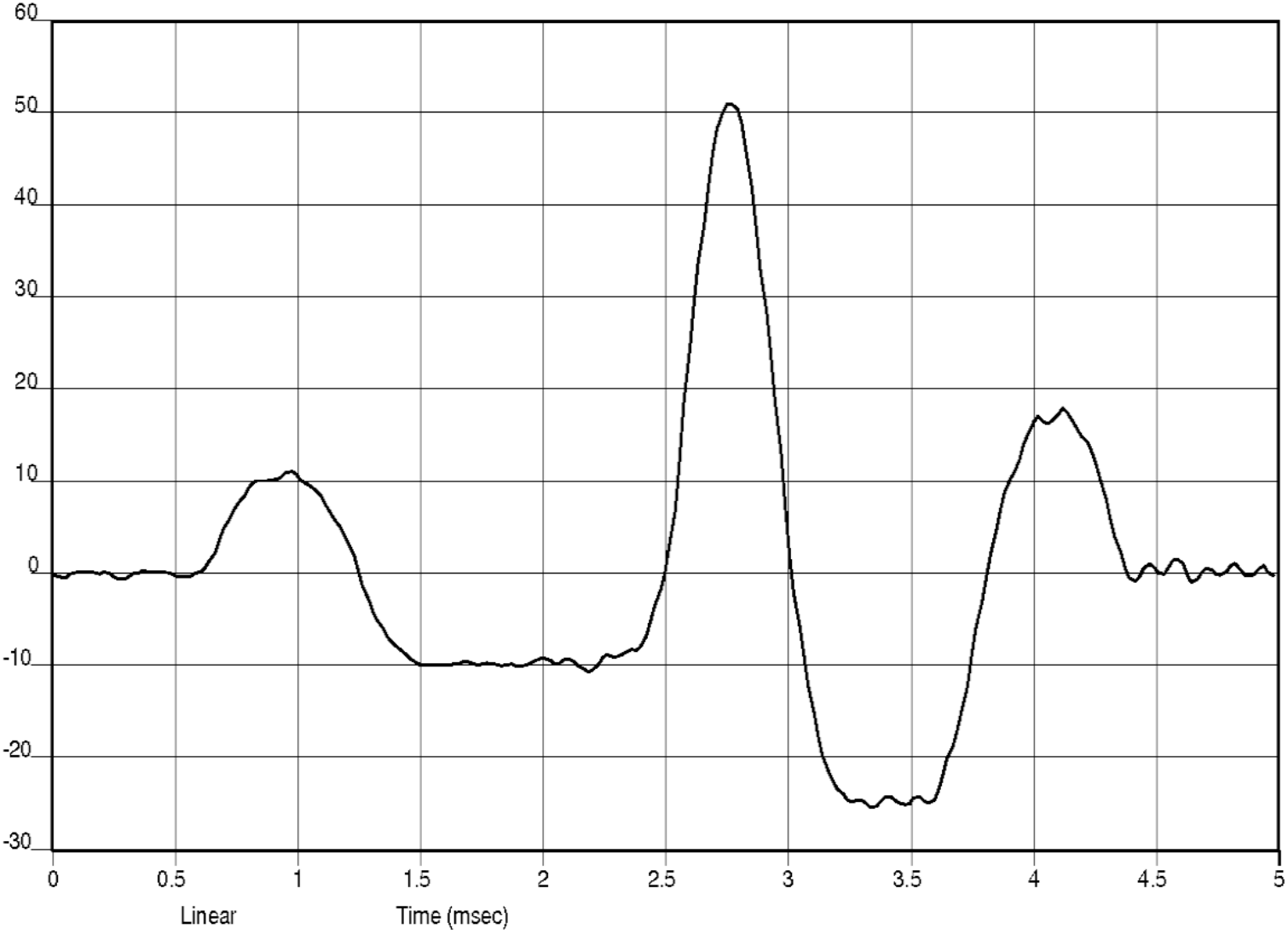
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (4 OF 5)

Classical Shock Test Name: 50G_10MS_HS.024

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: +

Pulse Type:Half Sine



CONTROL 1

11:43:12.9
Thu Sep 10 2015

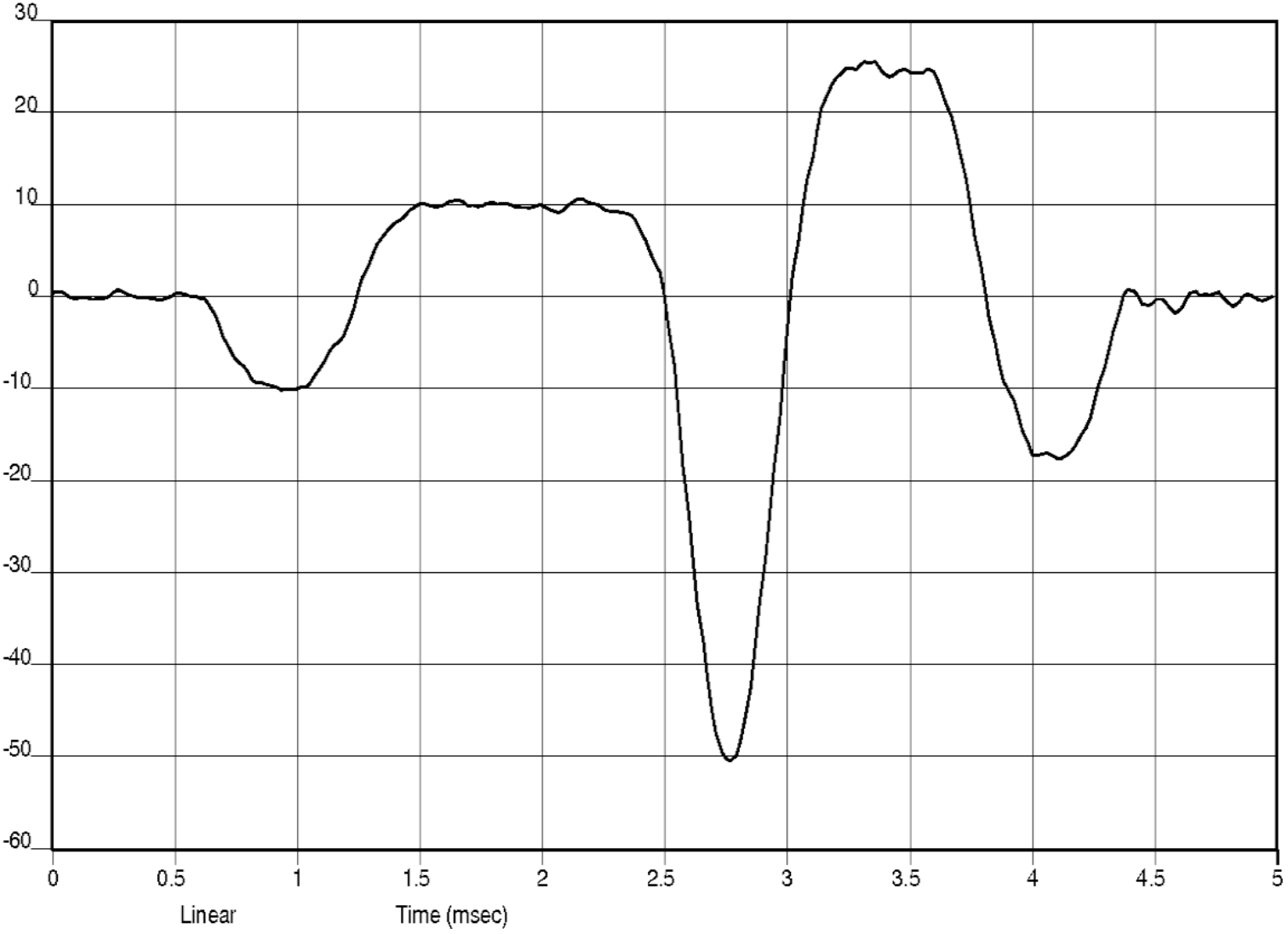
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (5 OF 5)

Classical Shock Test Name: 50G_10MS_HS.024

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: -

Pulse Type:Half Sine



CONTROL 1

11:43:19.1
Thu Sep 10 2015

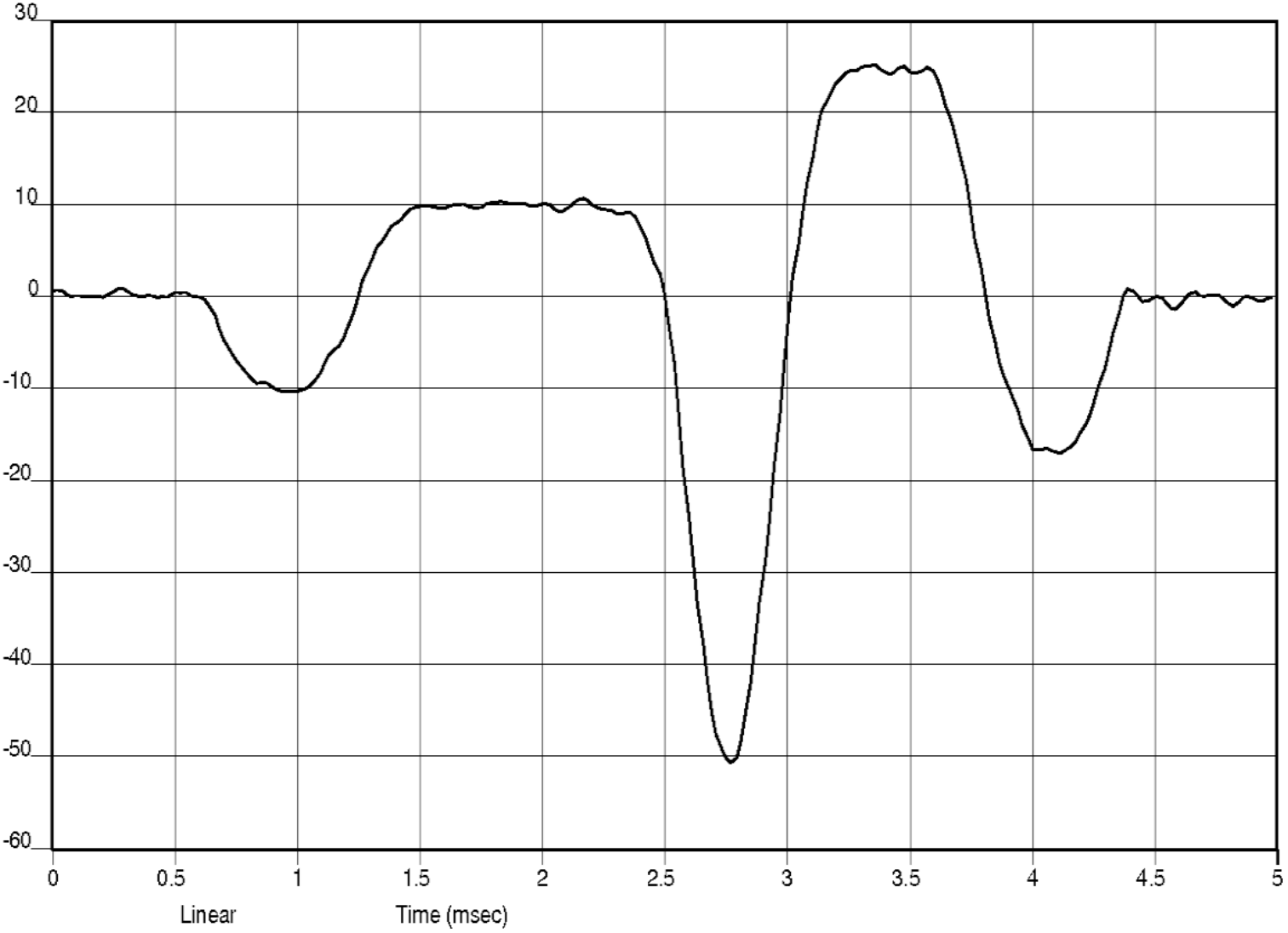
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (1 OF 5)

Classical Shock Test Name: 50G_10MS_HS.024

Test Level: 0.000 dB
Pulse: 1 of 1

Reference Peak: 50.000
Pulse Polarity: -

Pulse Type:Half Sine

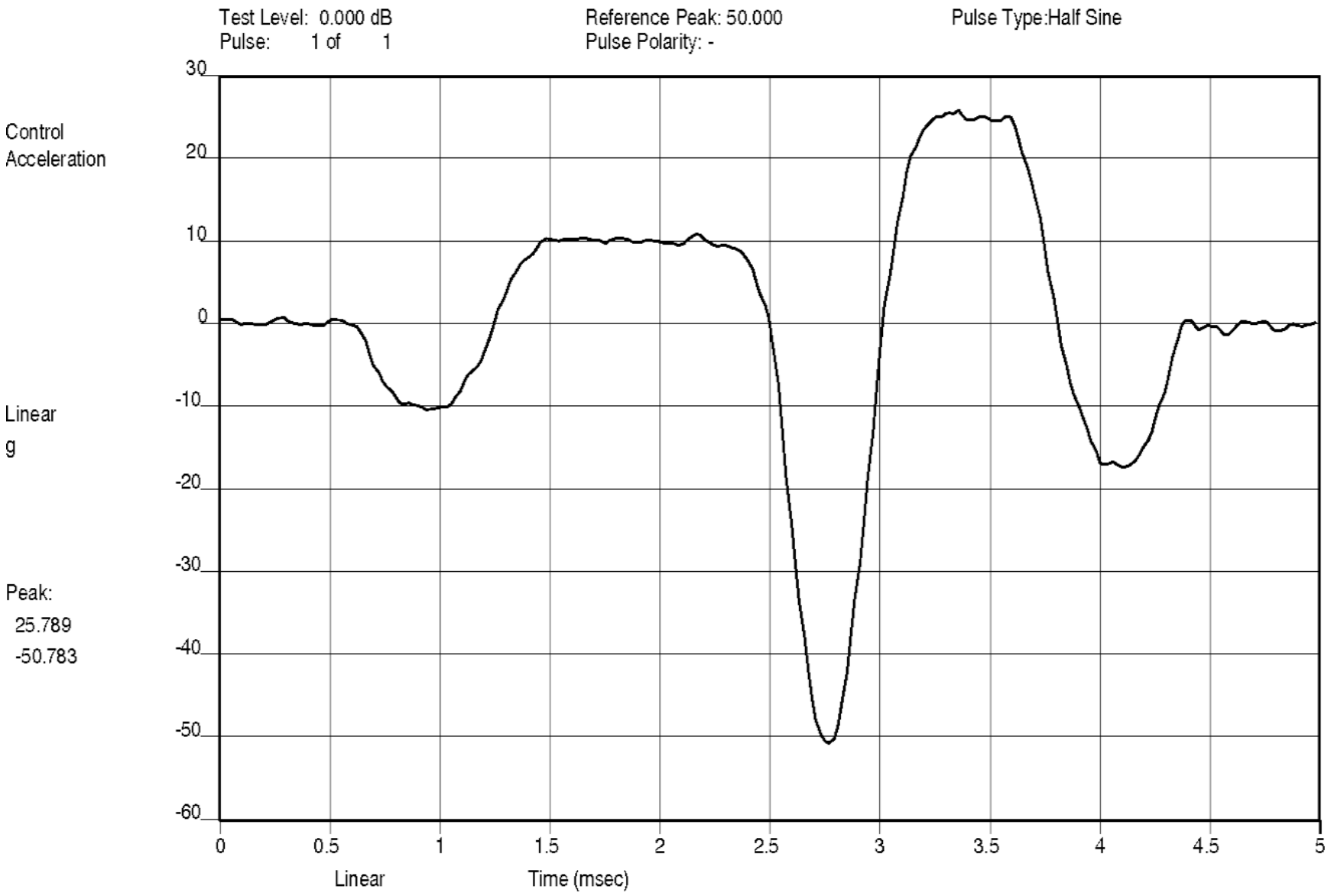


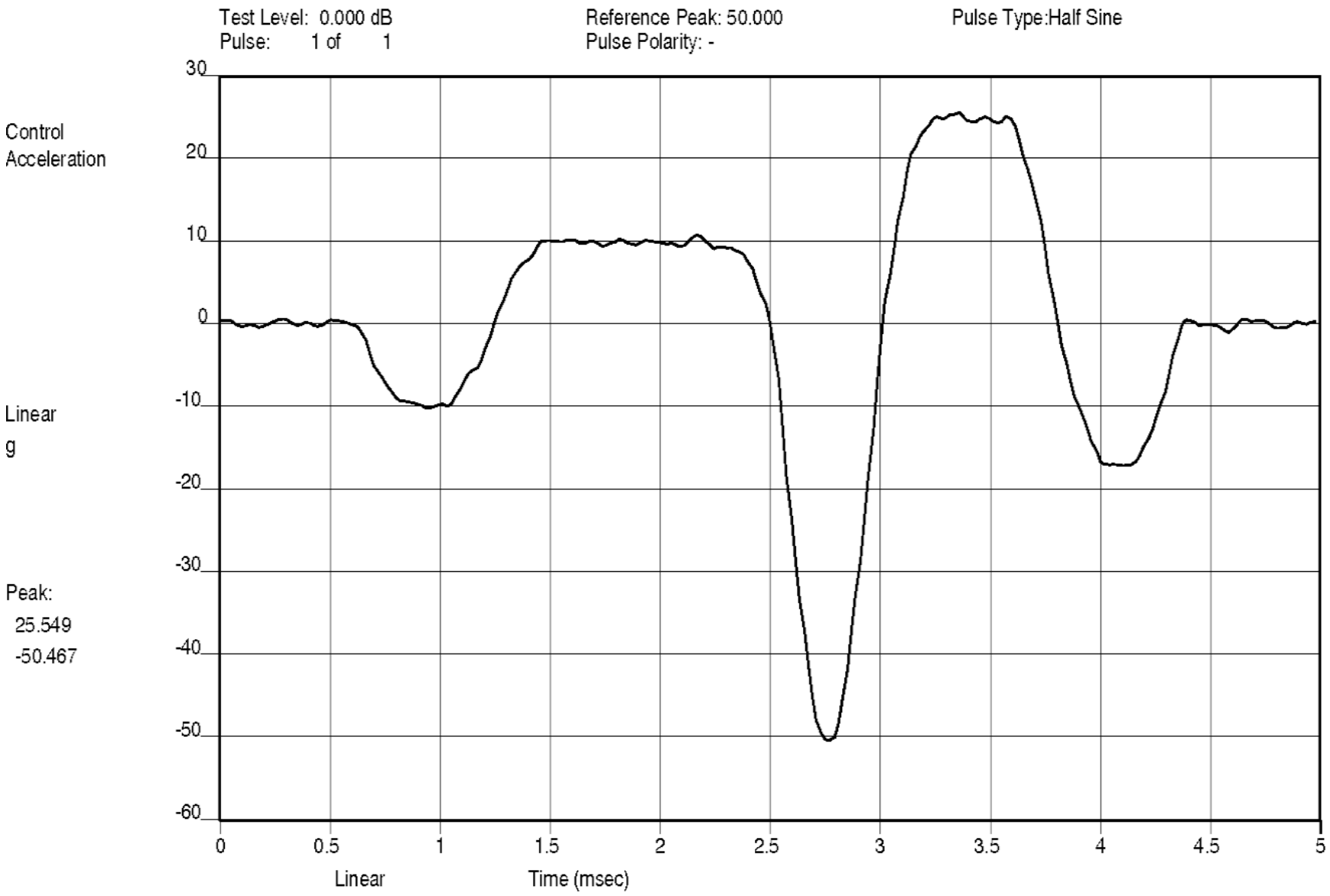
CONTROL 1

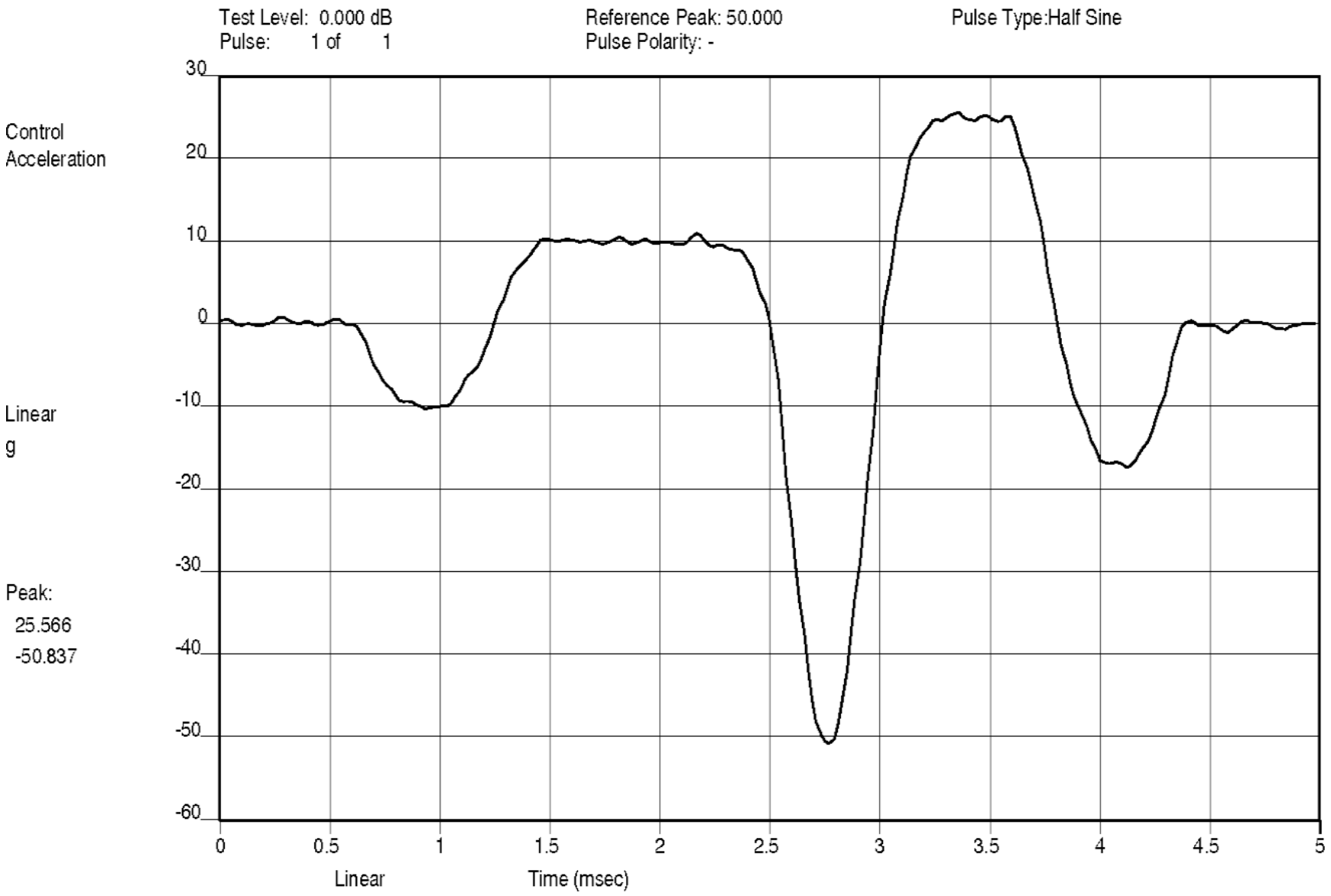
11:43:24.7
Thu Sep 10 2015

PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (2 OF 5)

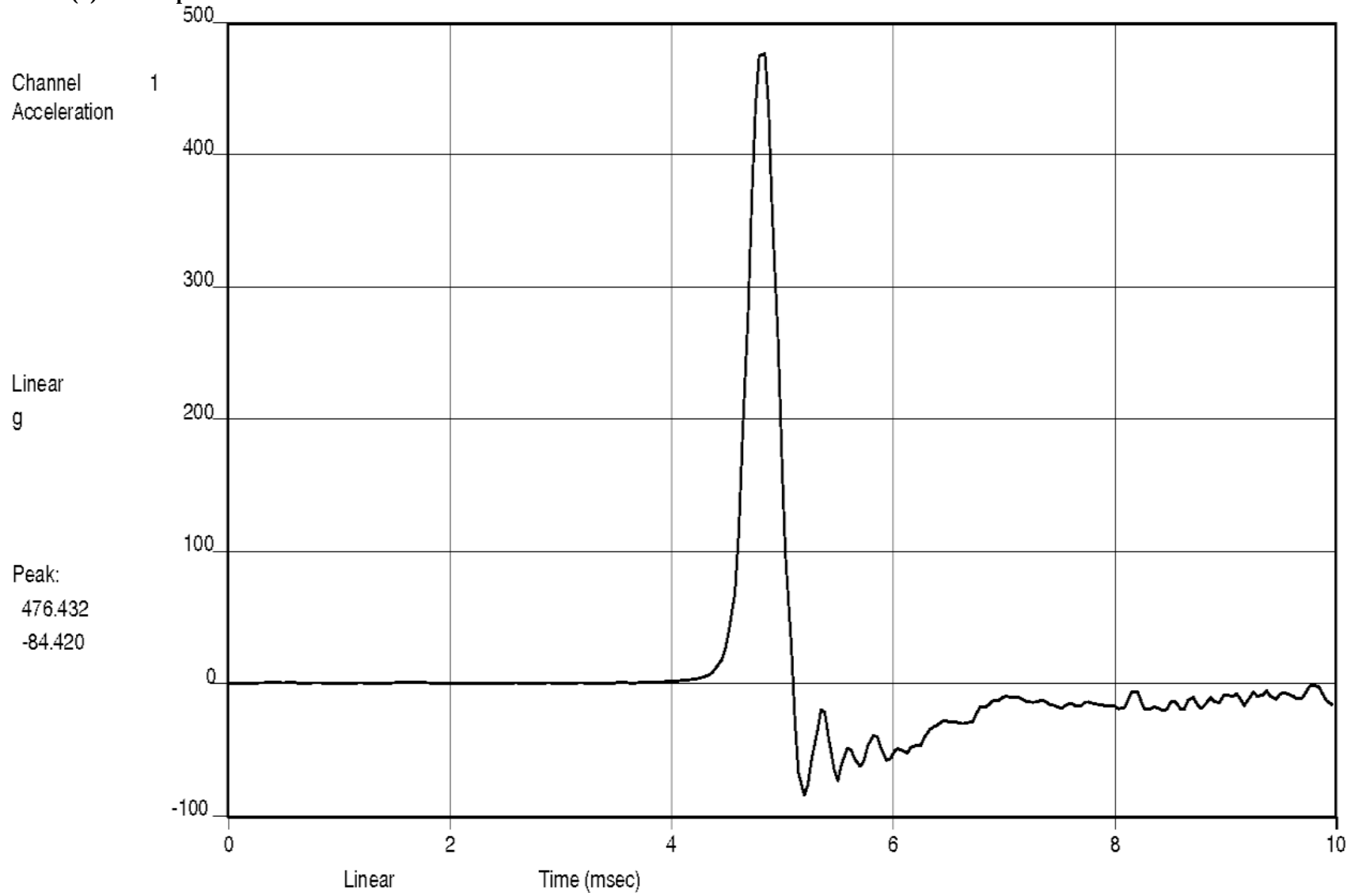
Classical Shock Test Name: 50G_10MS_HS.024


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
25.789
-50.783
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:43:30.2
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (3 OF 5)
Classical Shock Test Name: 50G_10MS_HS.024


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
25.549
-50.467
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:43:36.6
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (4 OF 5)
Classical Shock Test Name: 50G_10MS_HS.024


Test Level: 0.000 dB
Pulse: 1 of 1
Reference Peak: 50.000
Pulse Polarity: -
Pulse Type:Half Sine
Control
Acceleration
Linear
g
Peak:
25.566
-50.837
30
20
10
0
-10
-20
-30
-40
-50
-60
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Linear
Time (msec)
CONTROL 1
11:43:42.7
Thu Sep 10 2015
PR035989 DIGI-PAS DWL-5000 XY MODULE S/N 13B50030.
TEST#2 AXIS: X SHOCK 50G 0.5MS HALF-SINE (5 OF 5)
Classical Shock Test Name: 50G_10MS_HS.024

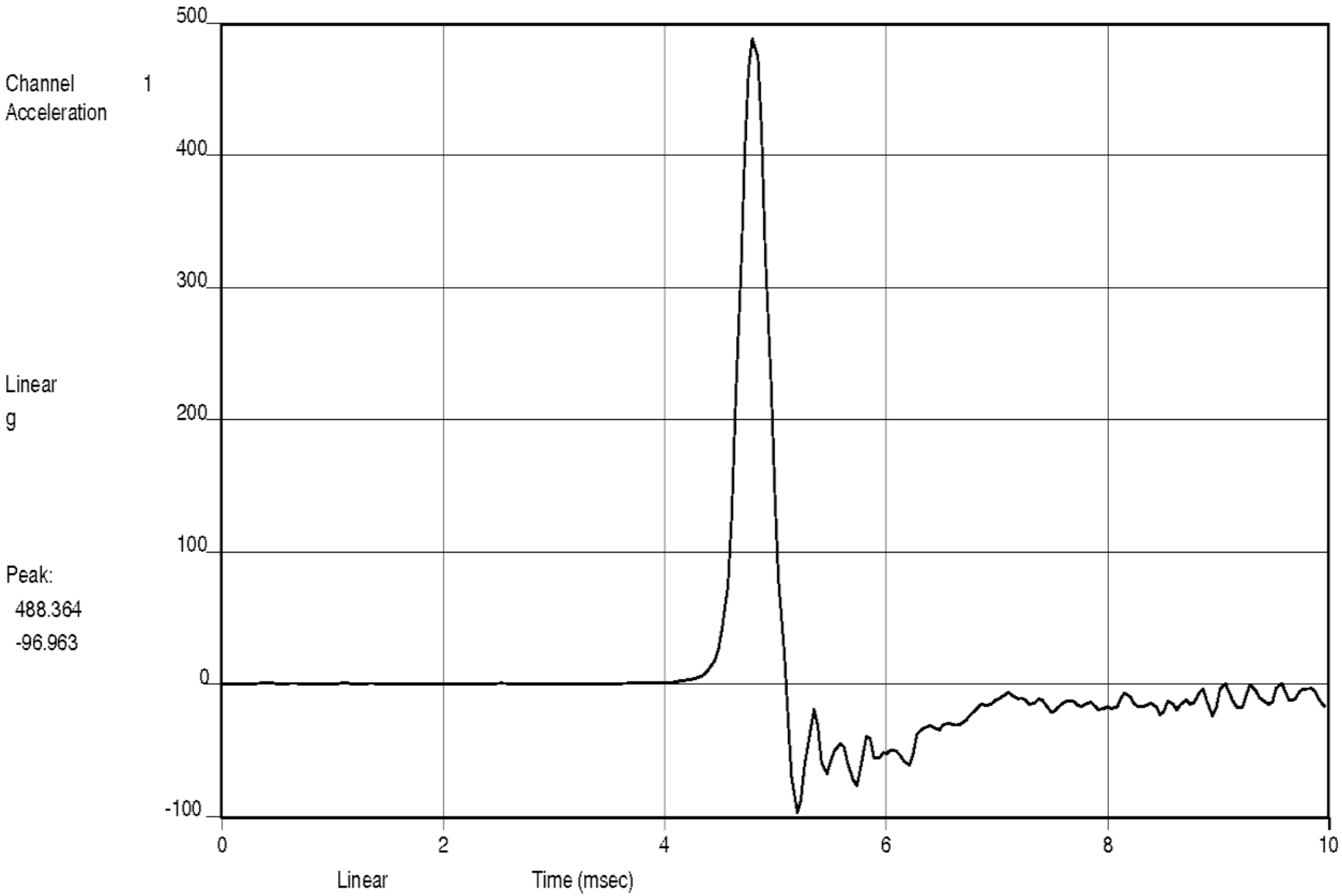
Test 3 (+)Y-axis Operational Shock 500G



12:45:10.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (+) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

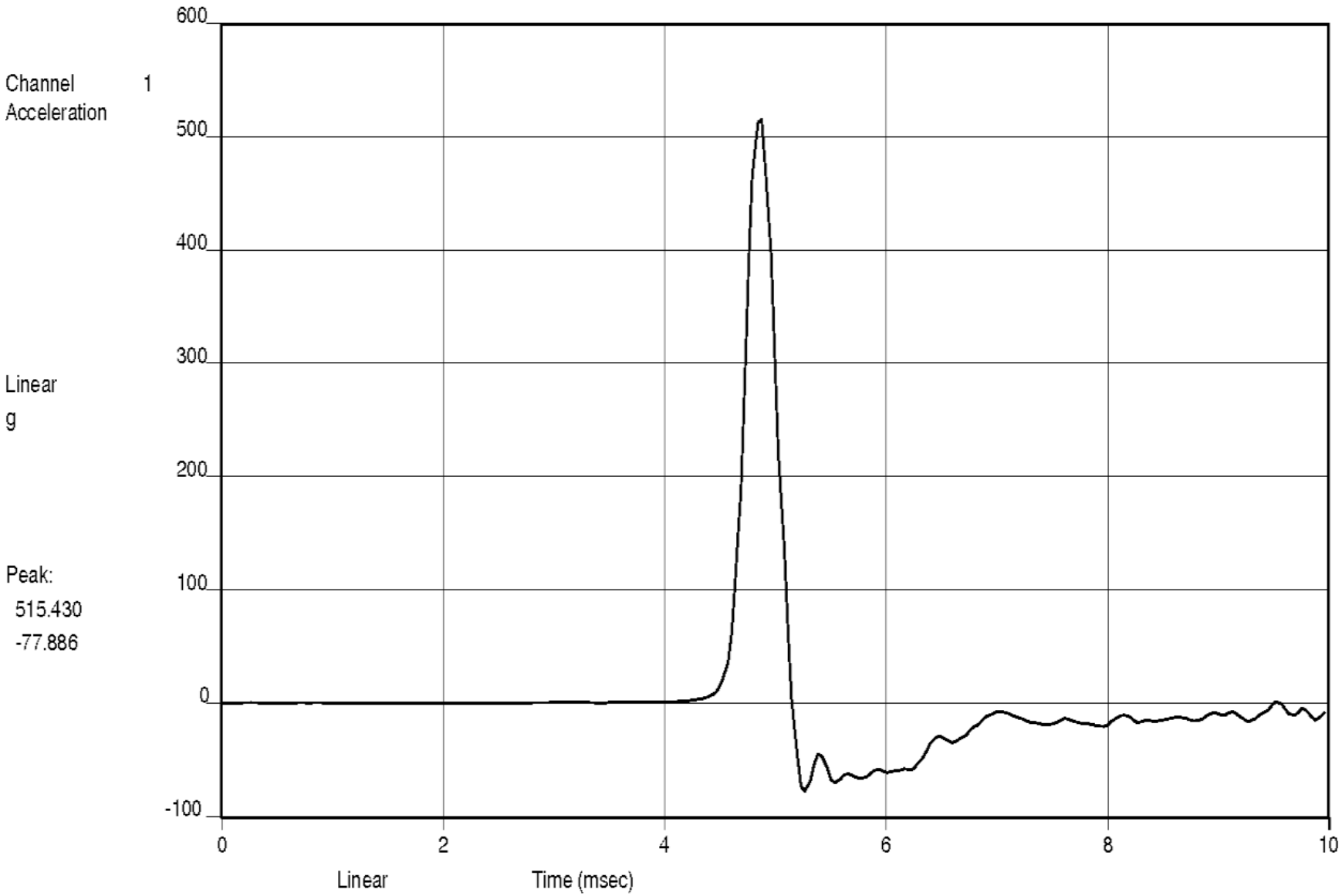


CONTROL

12:45:51.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (+) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

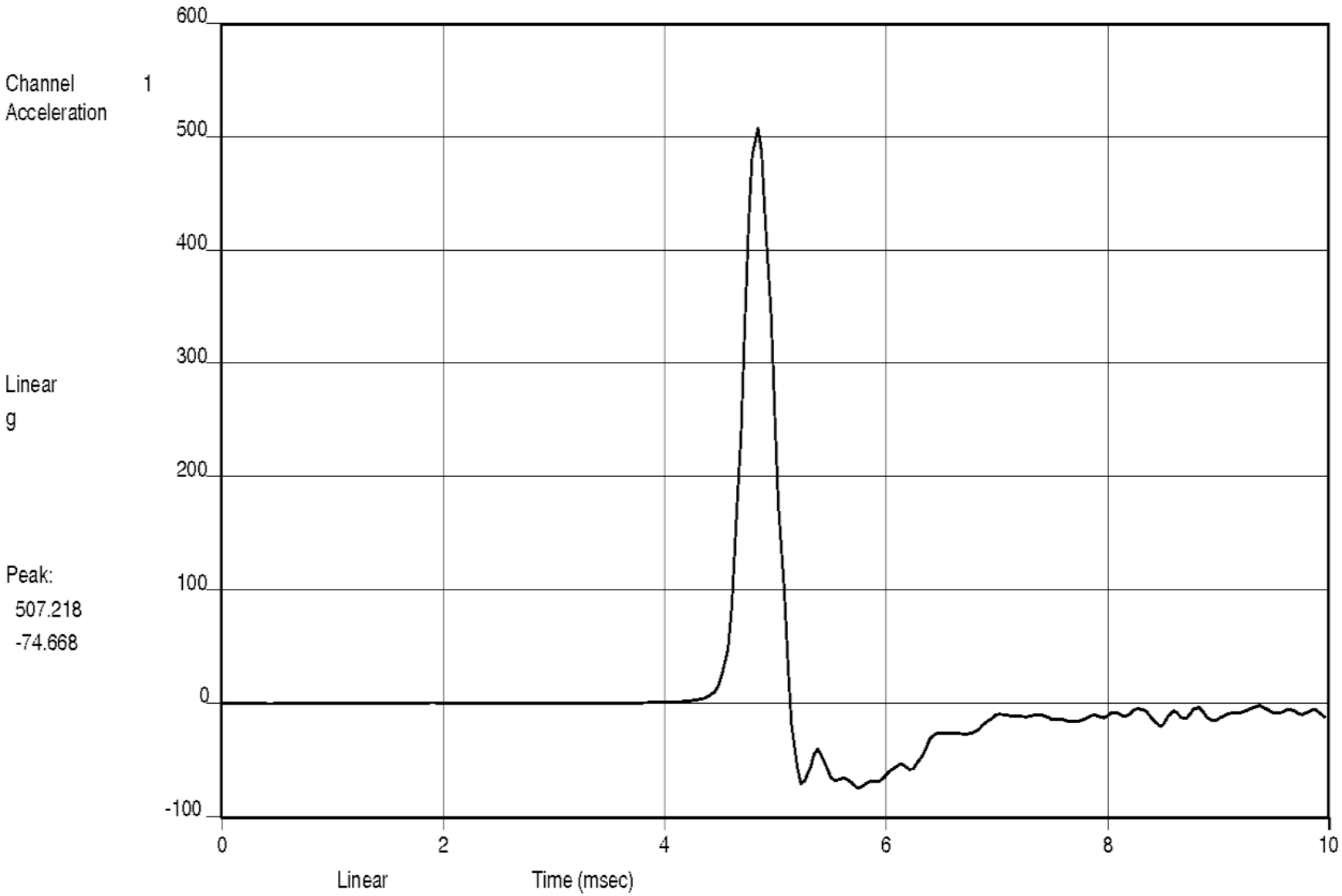


CONTROL

12:46:13.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (+) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

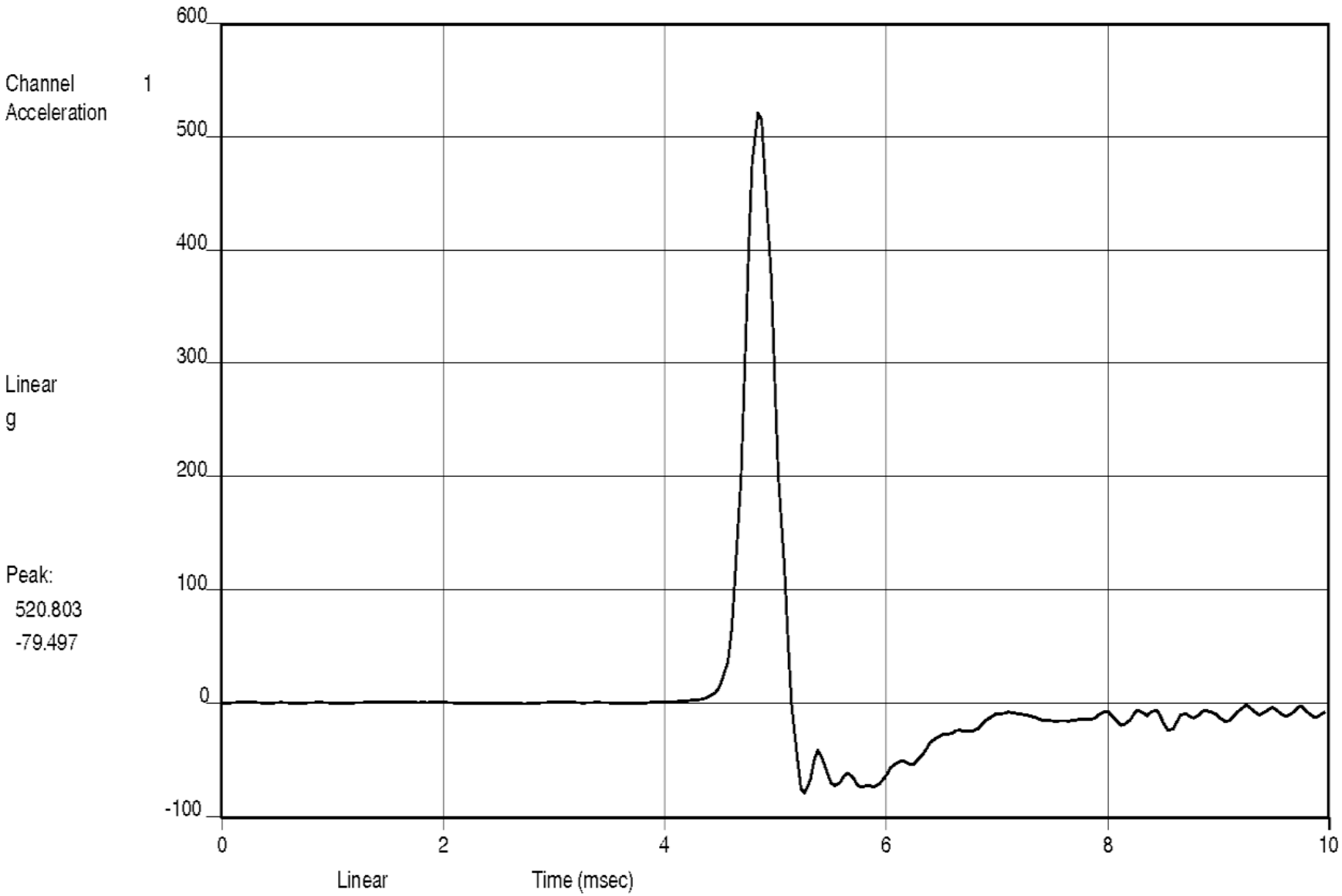


CONTROL

12:46:46.2
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (+) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

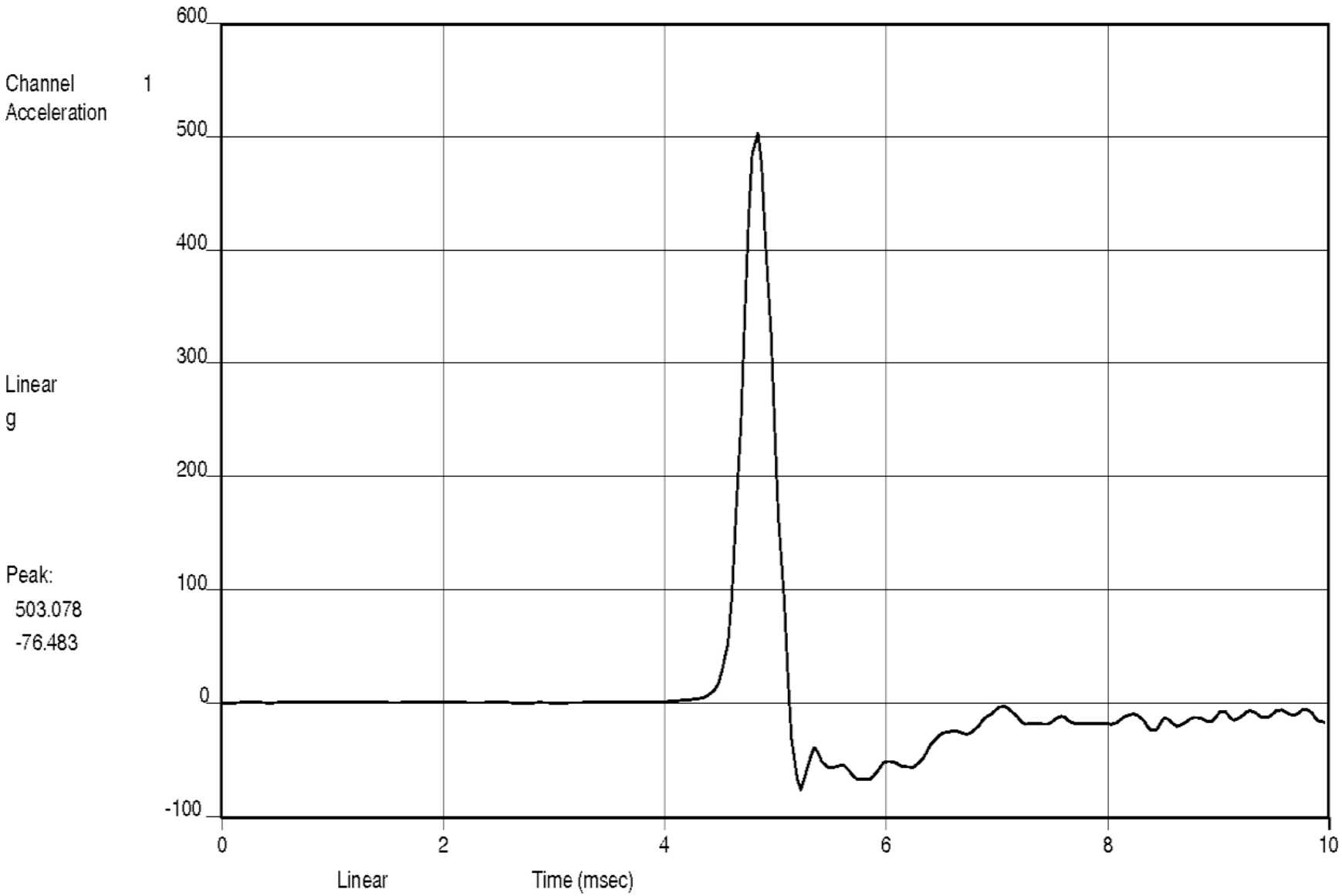


CONTROL

12:46:59.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (+) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

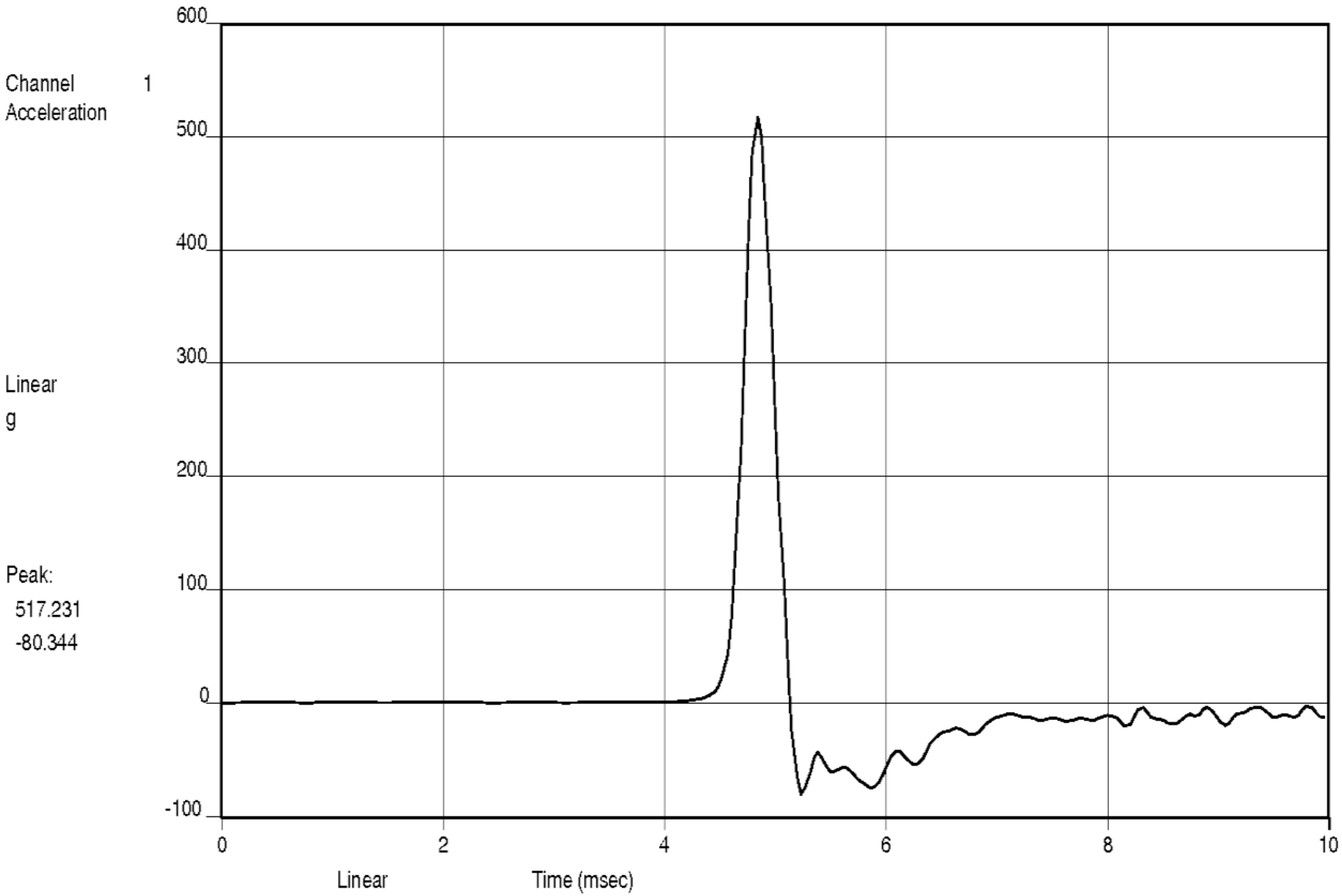


CONTROL

12:49:30.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (-) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

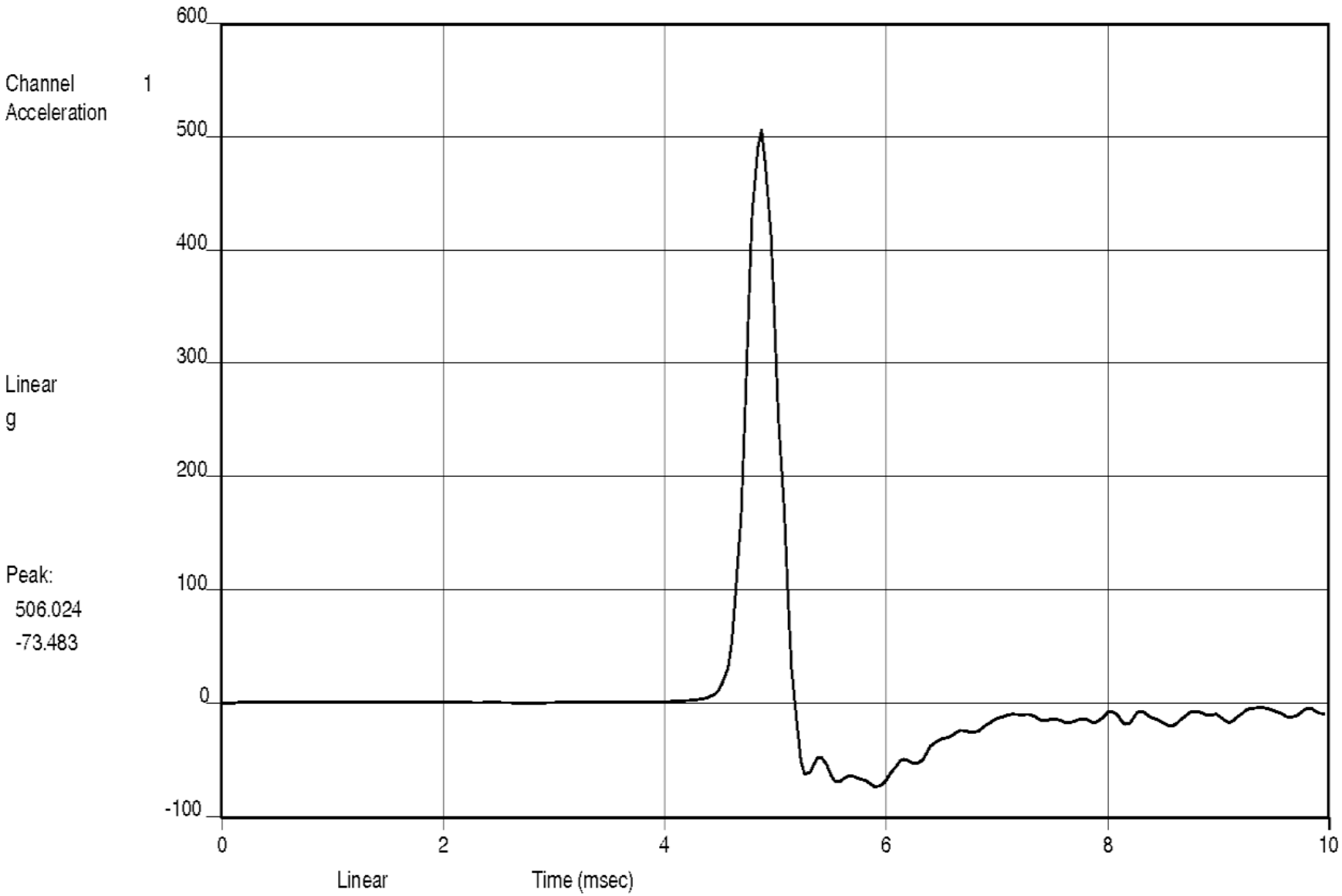


CONTROL

12:49:46.0
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (-) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

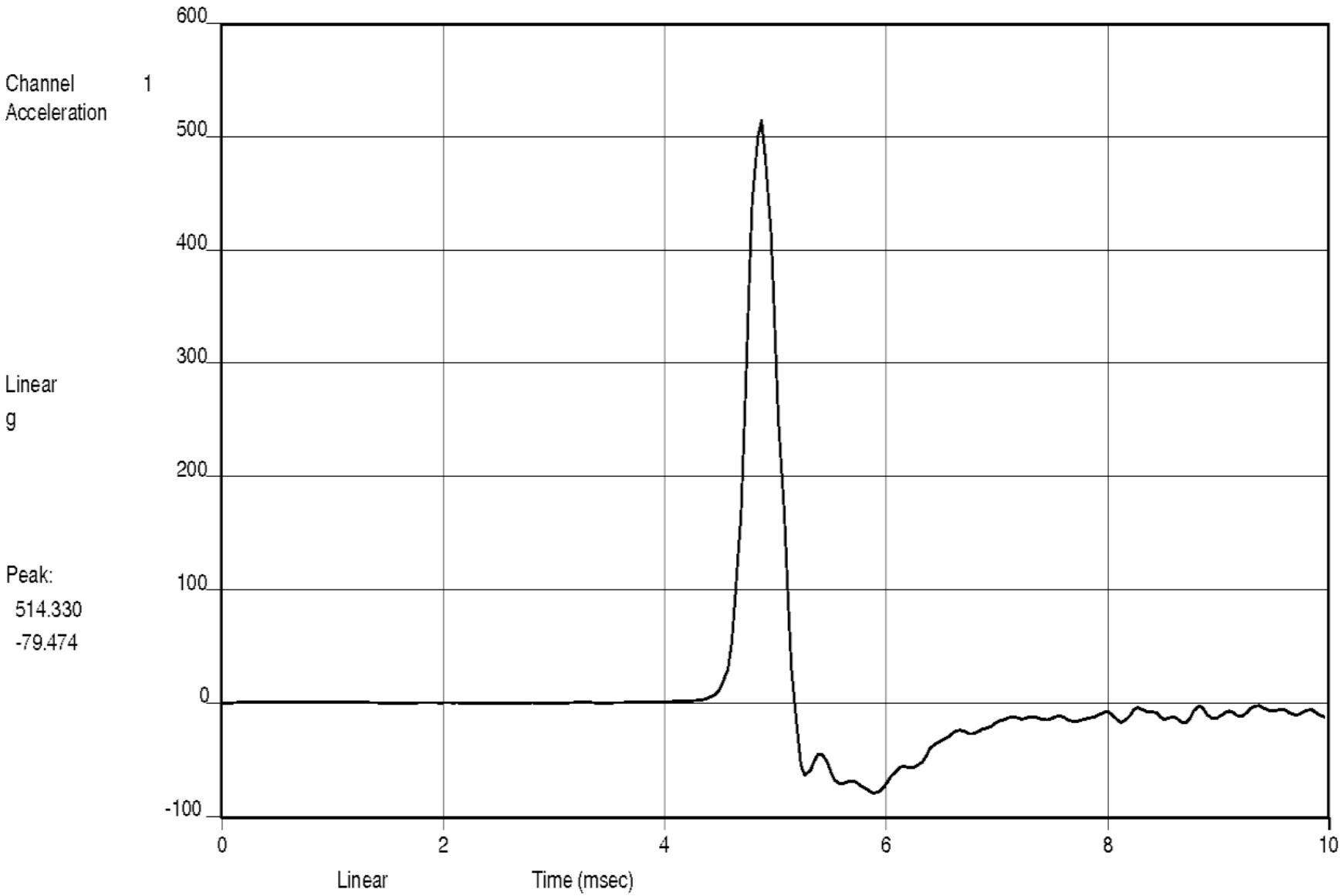


CONTROL

12:49:58.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (-) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

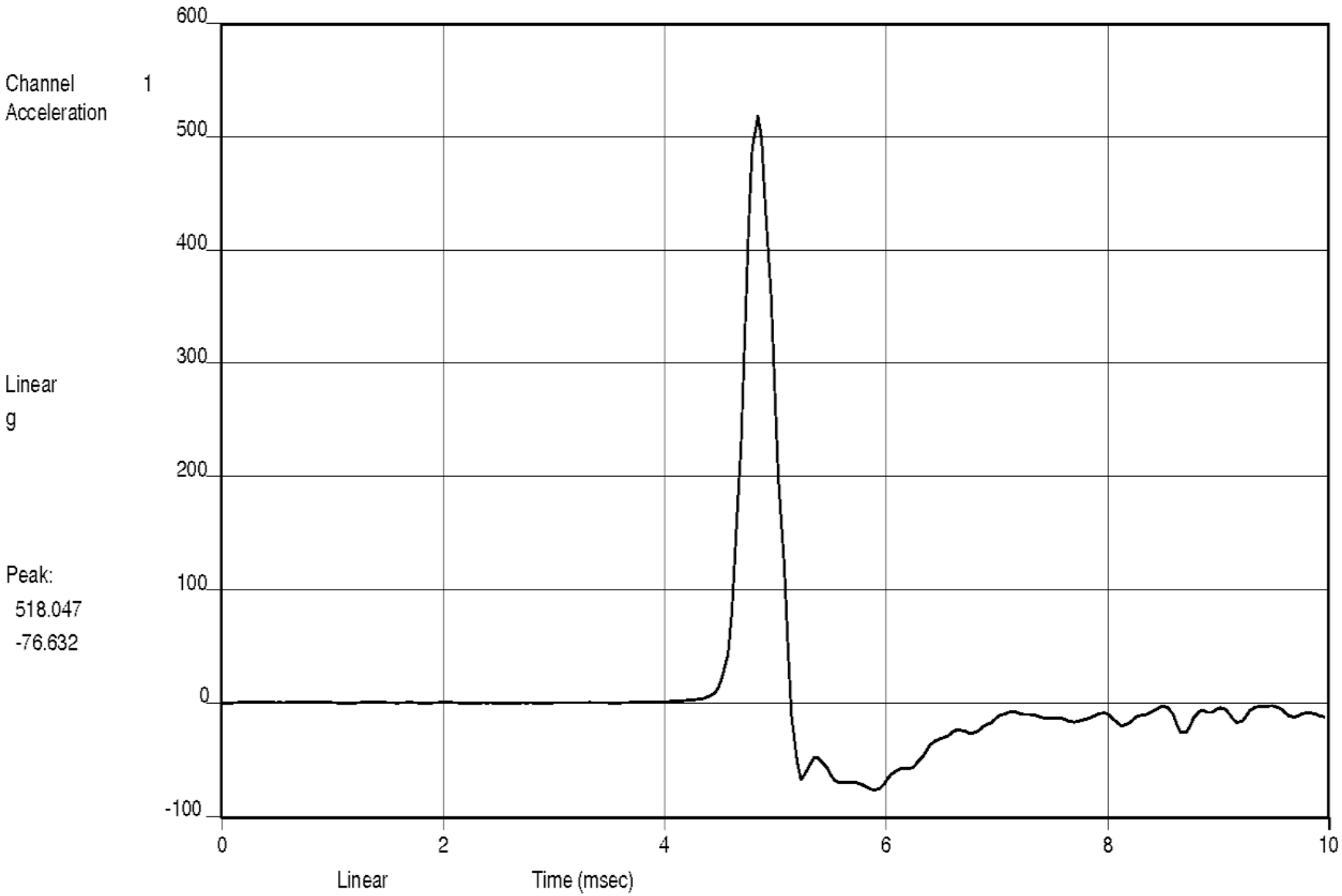


CONTROL

12:50:18.4
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (-) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.013



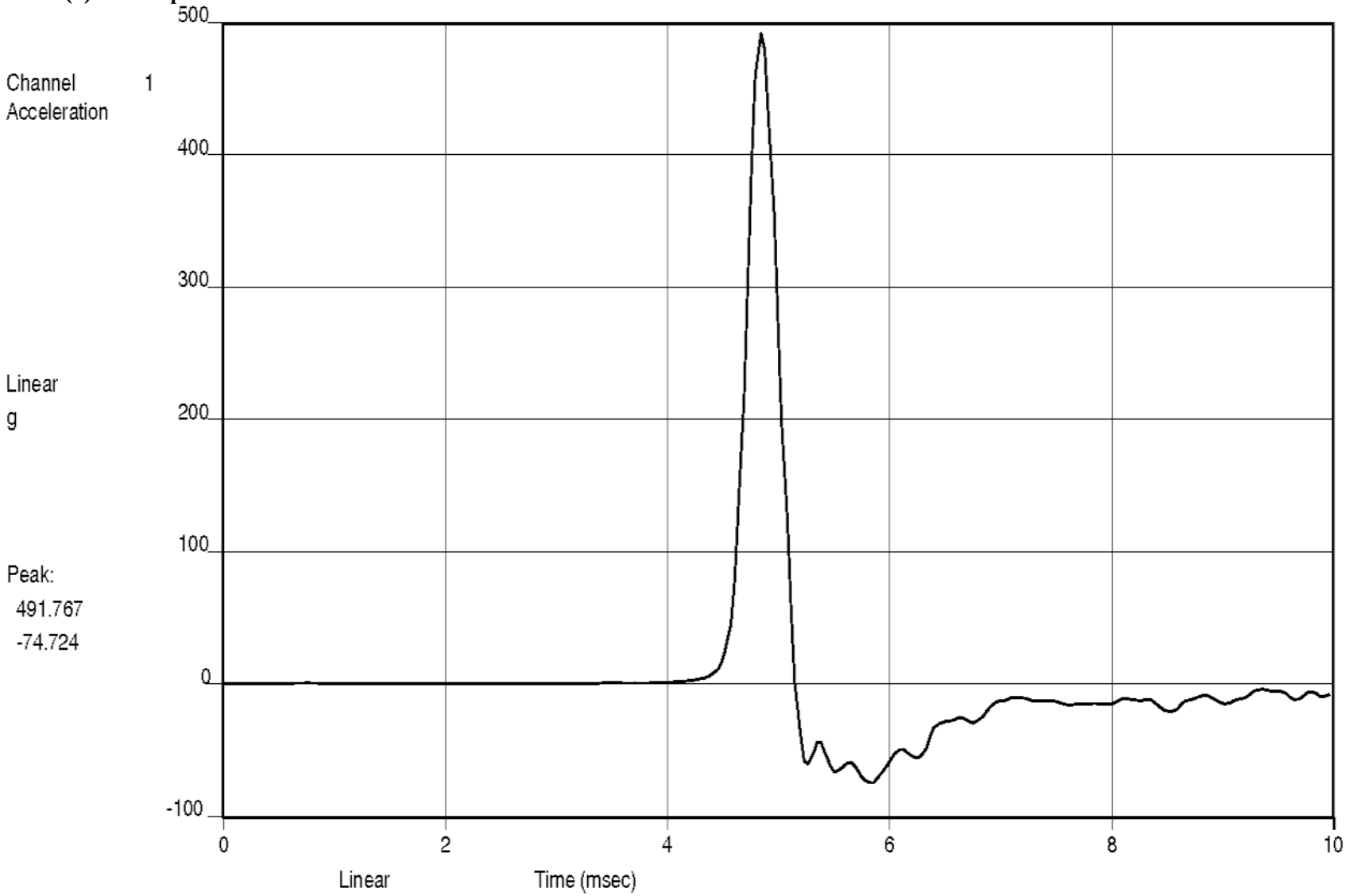
CONTROL

12:50:31.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#3 AXIS: (-) Y OPERATIONAL SHOCK - 500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.013

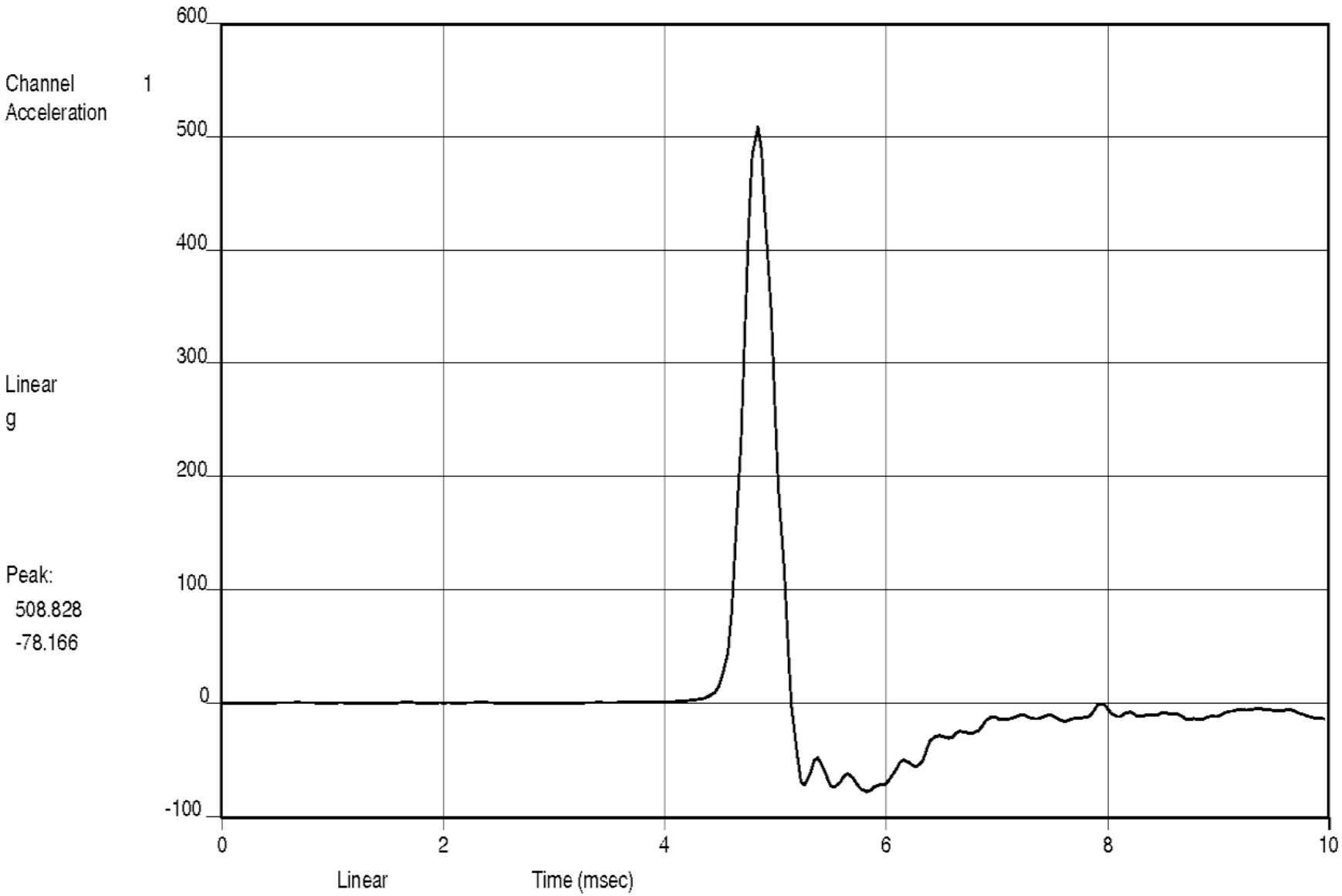
Test 4 (+)X-axis Operational Shock 500G



13:05:55.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (+) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

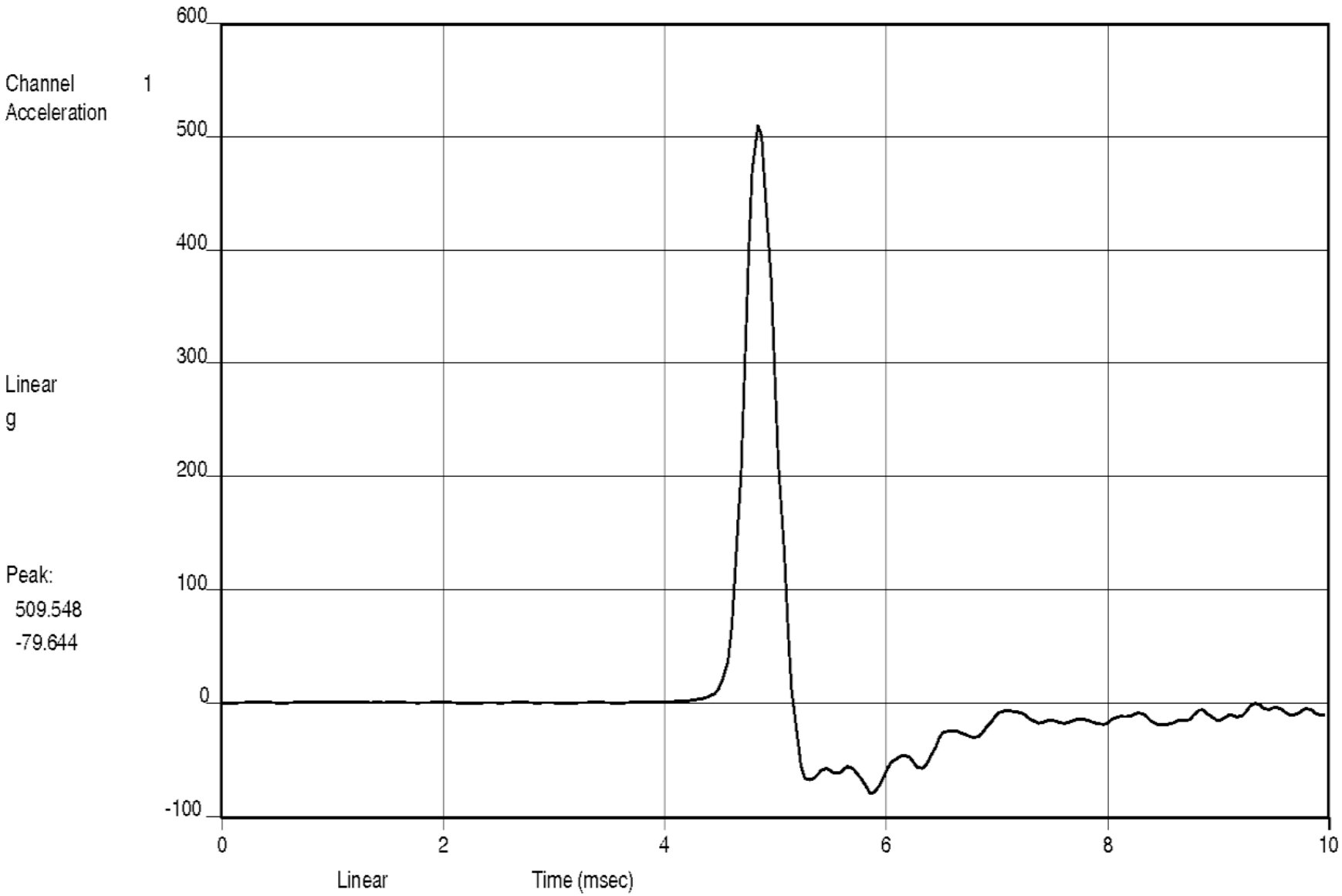


CONTROL

13:06:28.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (+) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

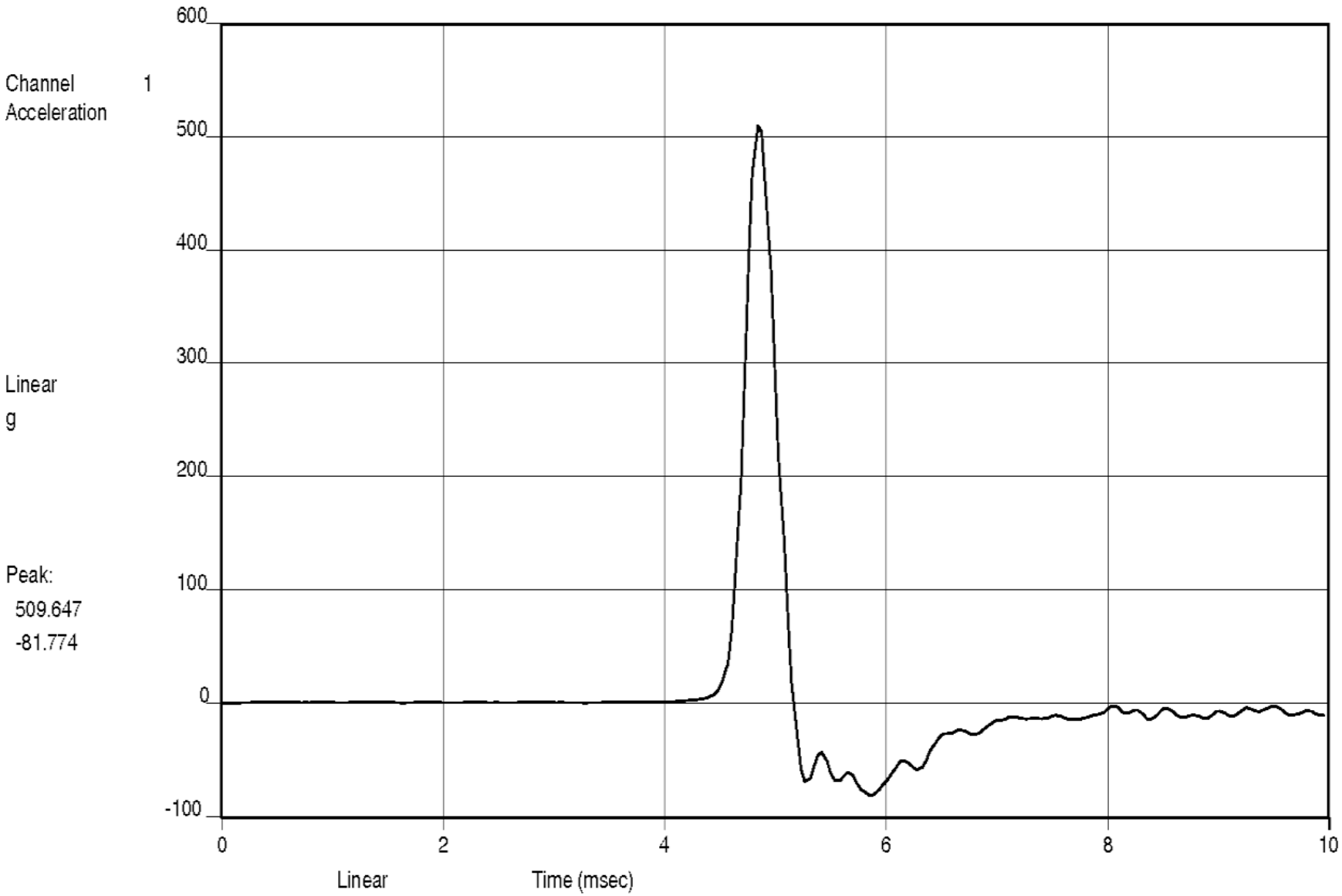


CONTROL

13:06:41.0
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (+) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

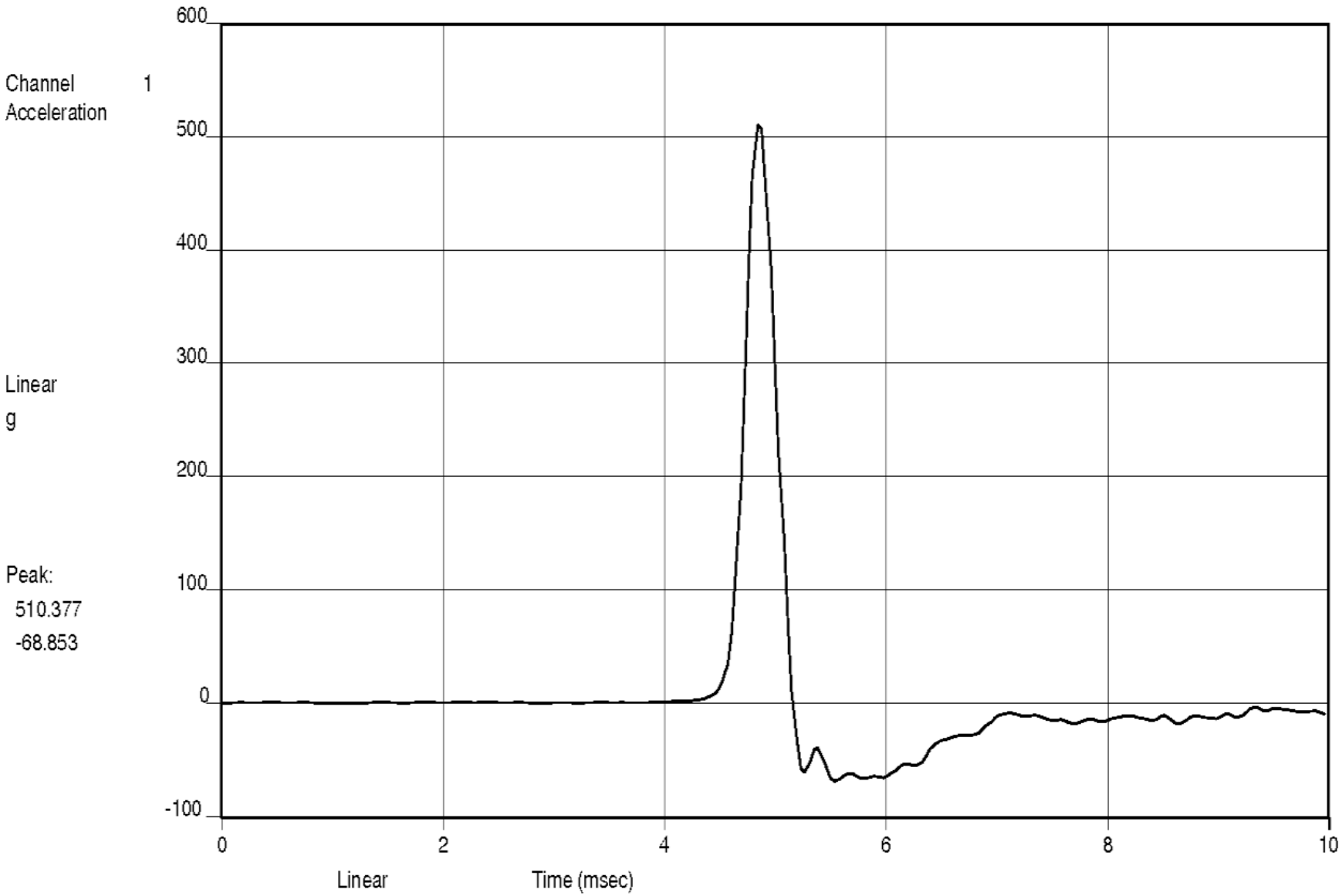


CONTROL

13:06:52.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (+) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

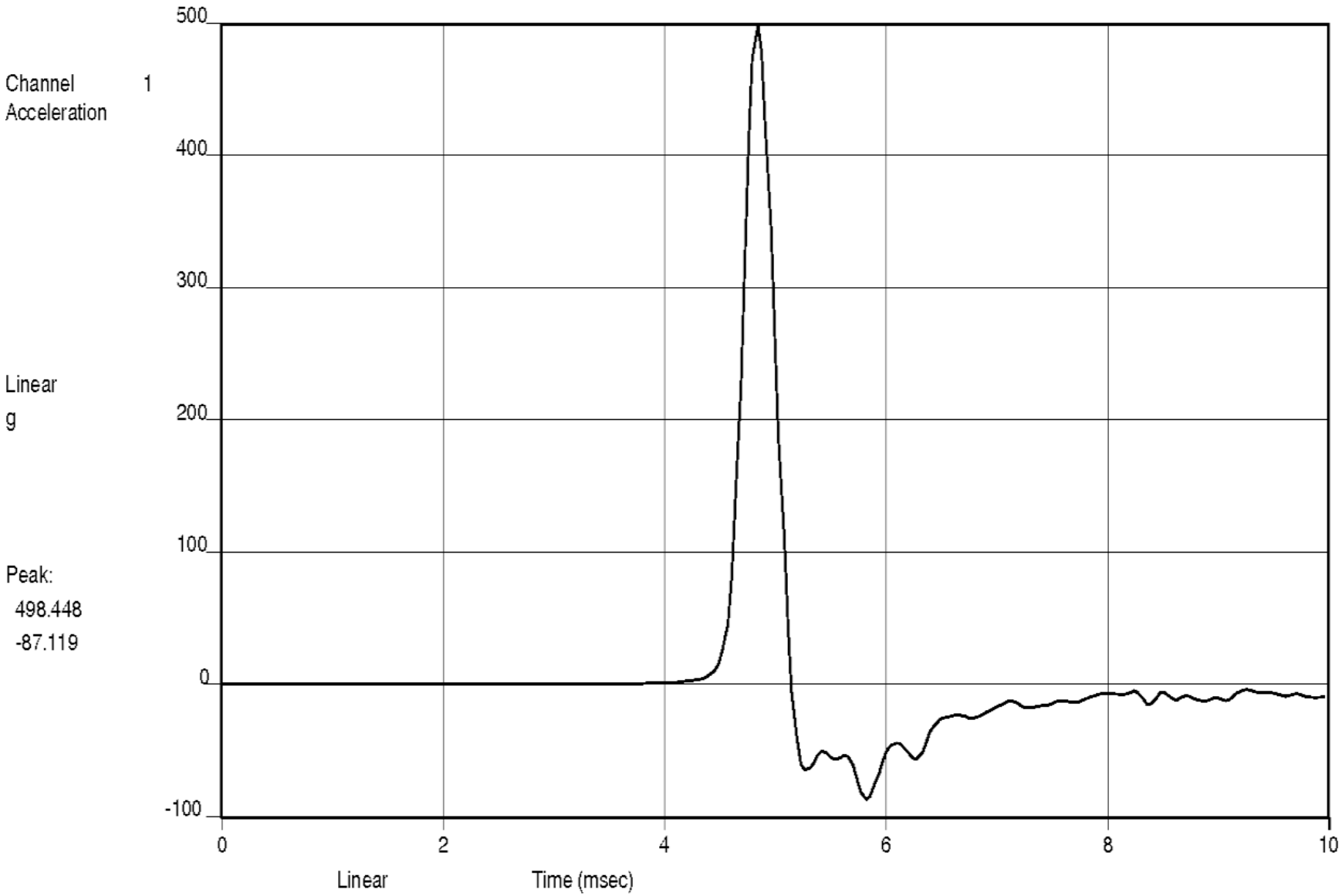


CONTROL

13:07:04.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (+) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

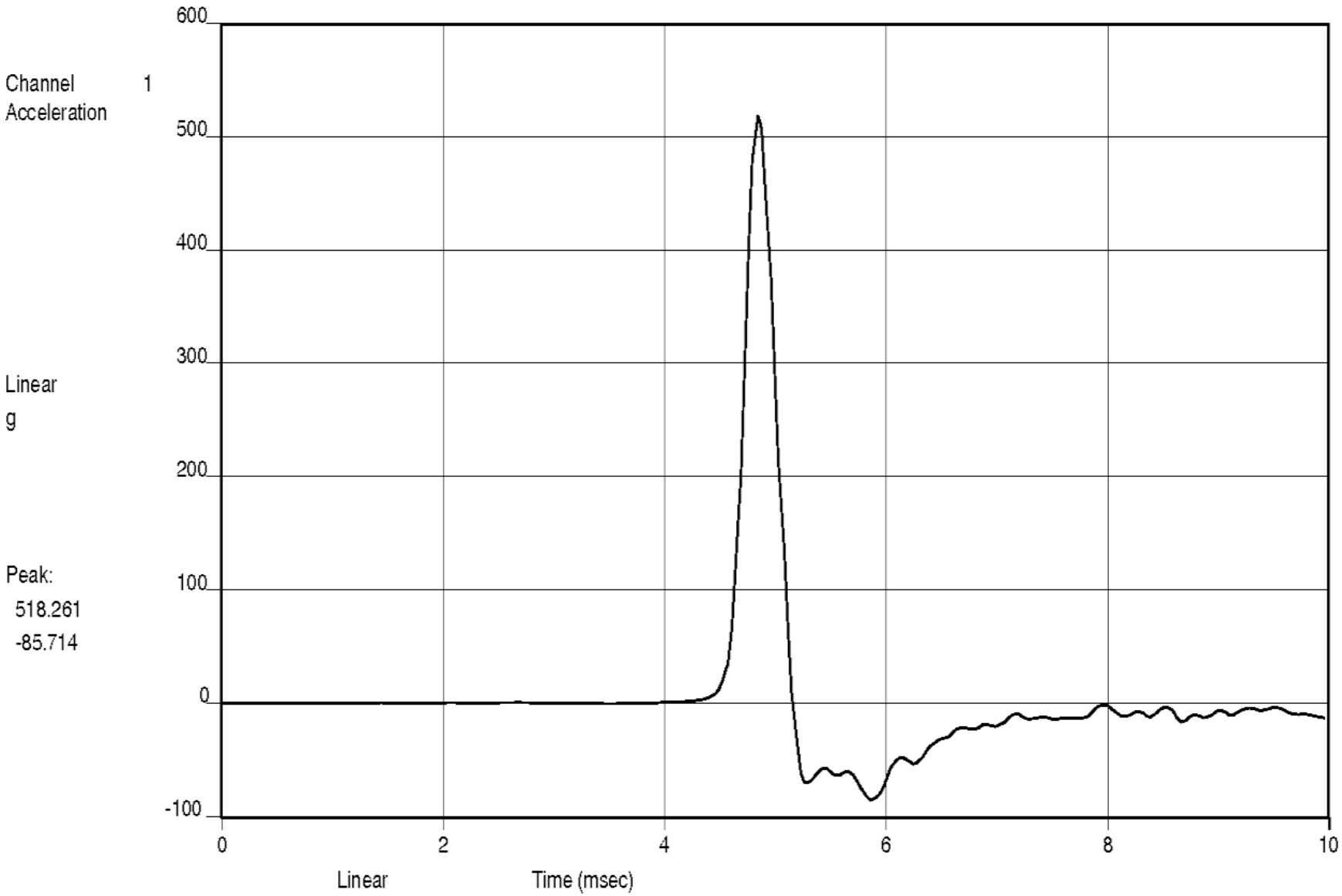


CONTROL

13:08:34.7
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (-) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

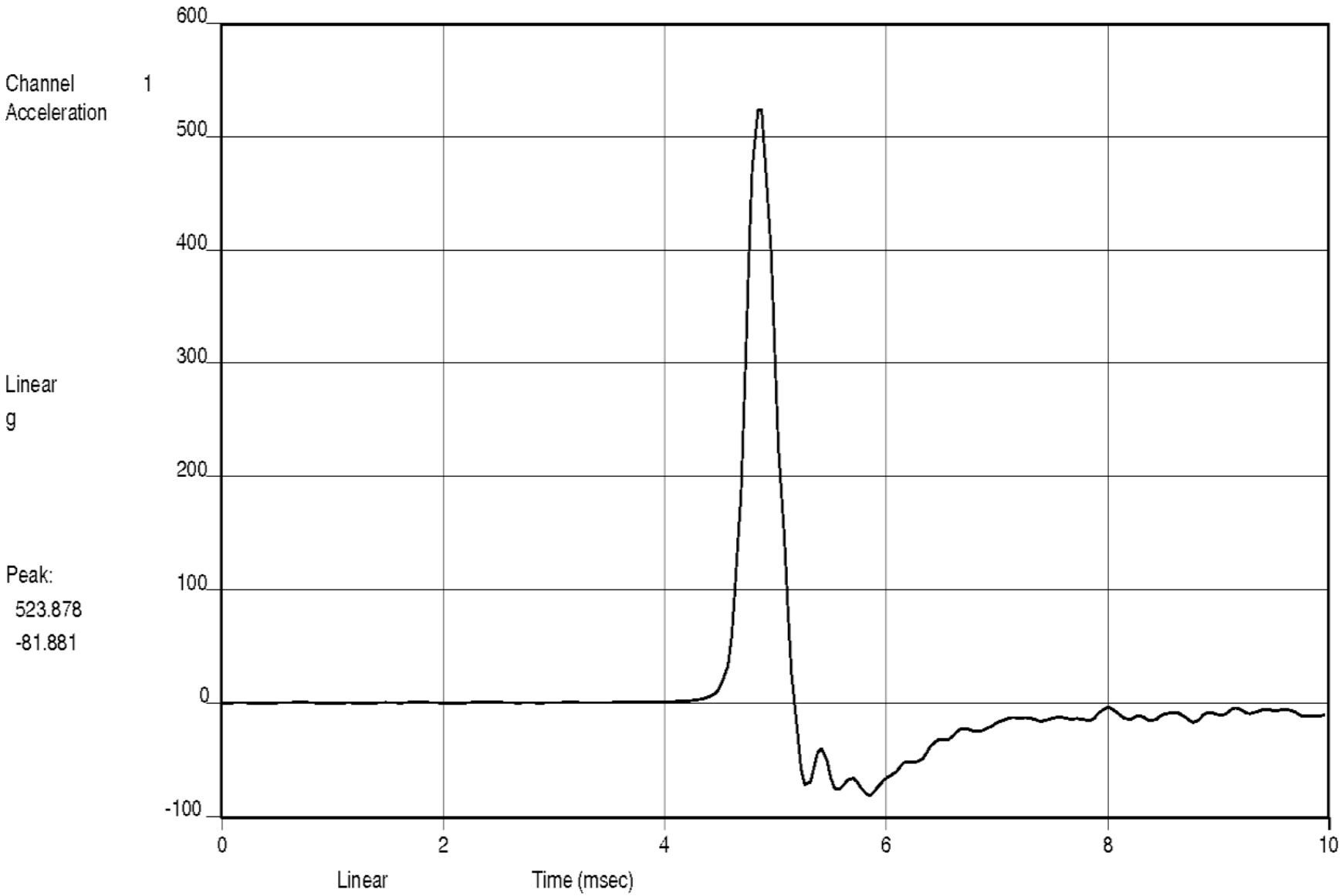


CONTROL

13:08:54.0
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (-) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

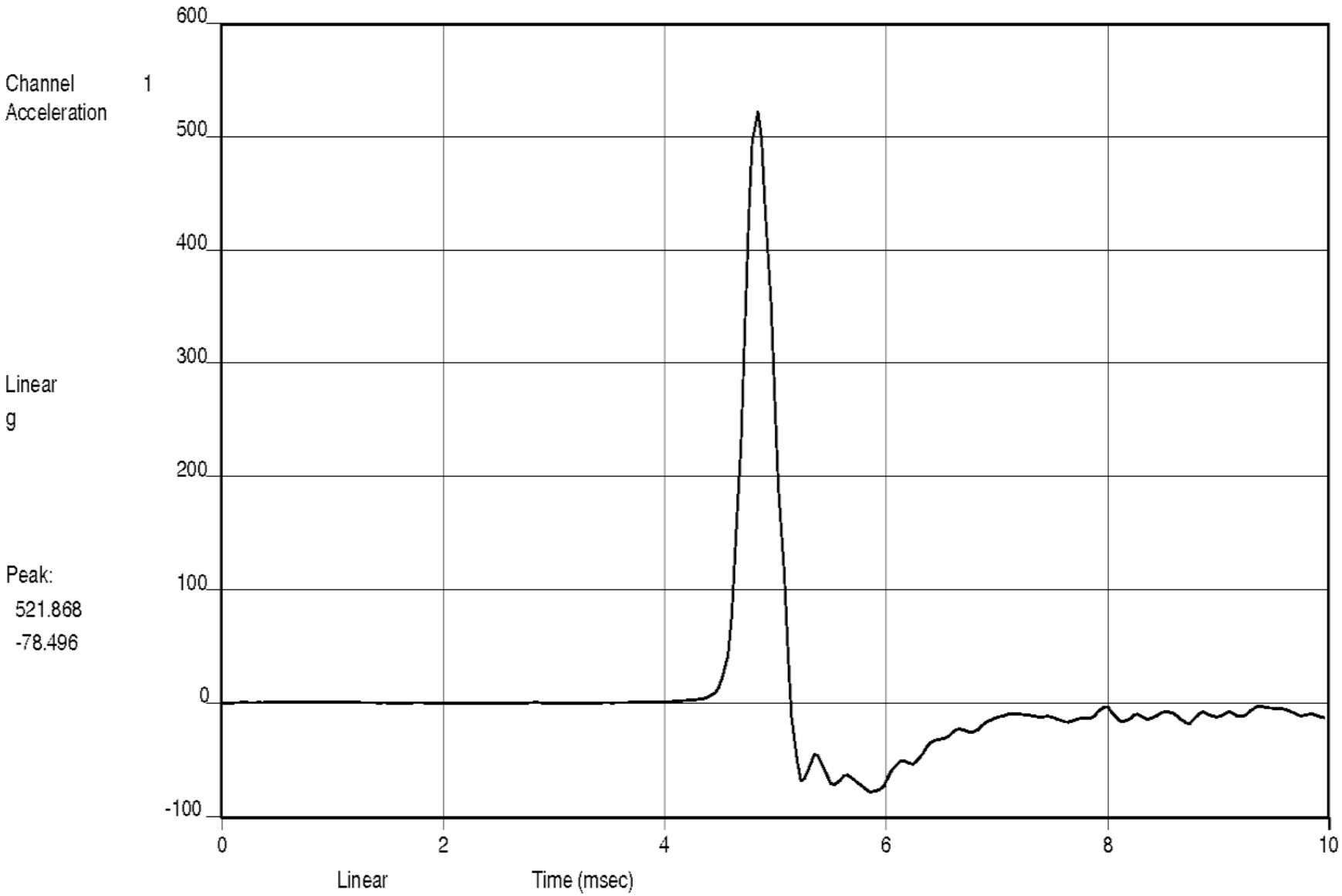


CONTROL

13:09:06.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (-) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

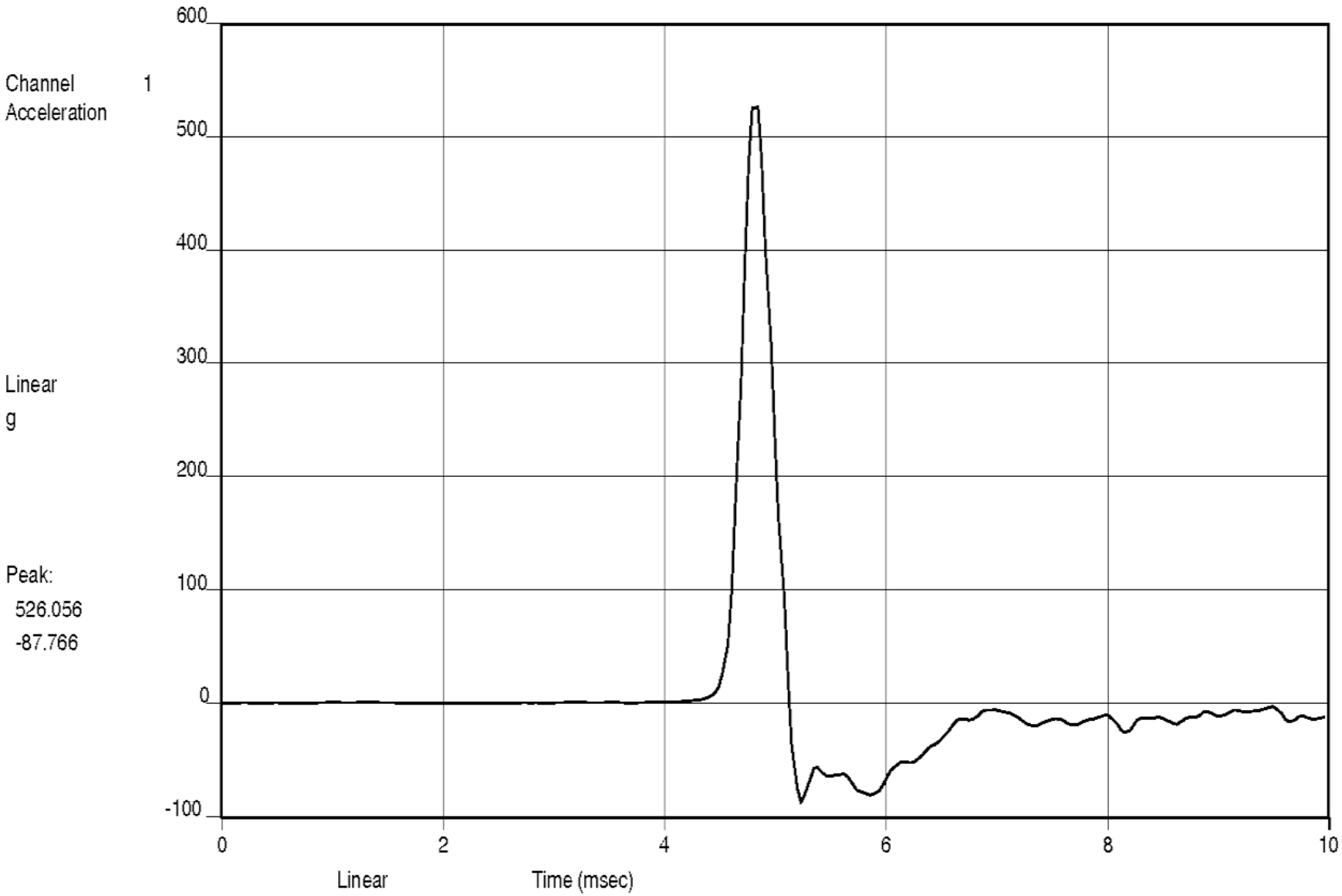


CONTROL

13:09:18.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (-) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.014



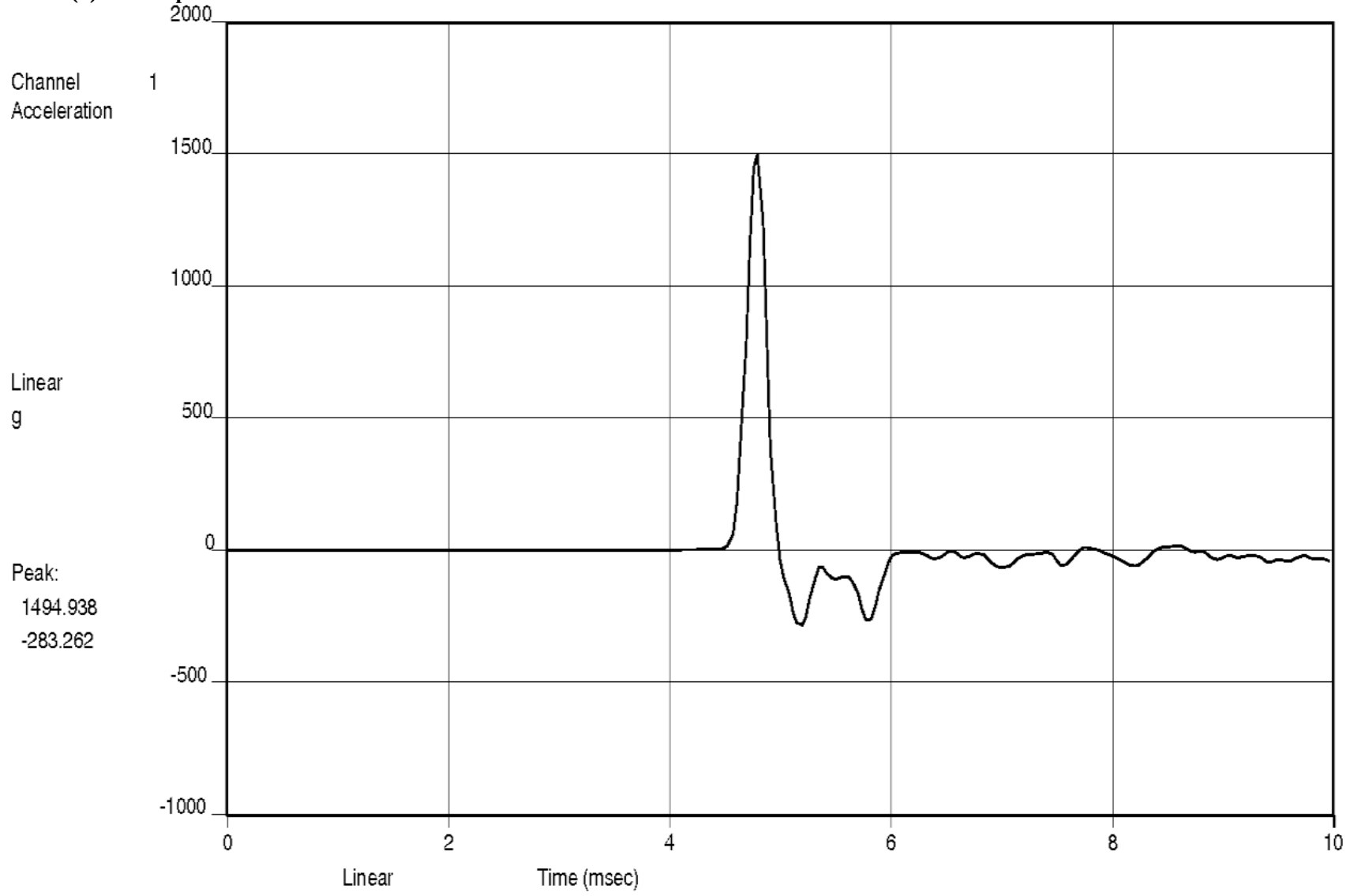
CONTROL

13:09:36.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#4 AXIS: (-) X OPERATIONAL SHOCK - 500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.014

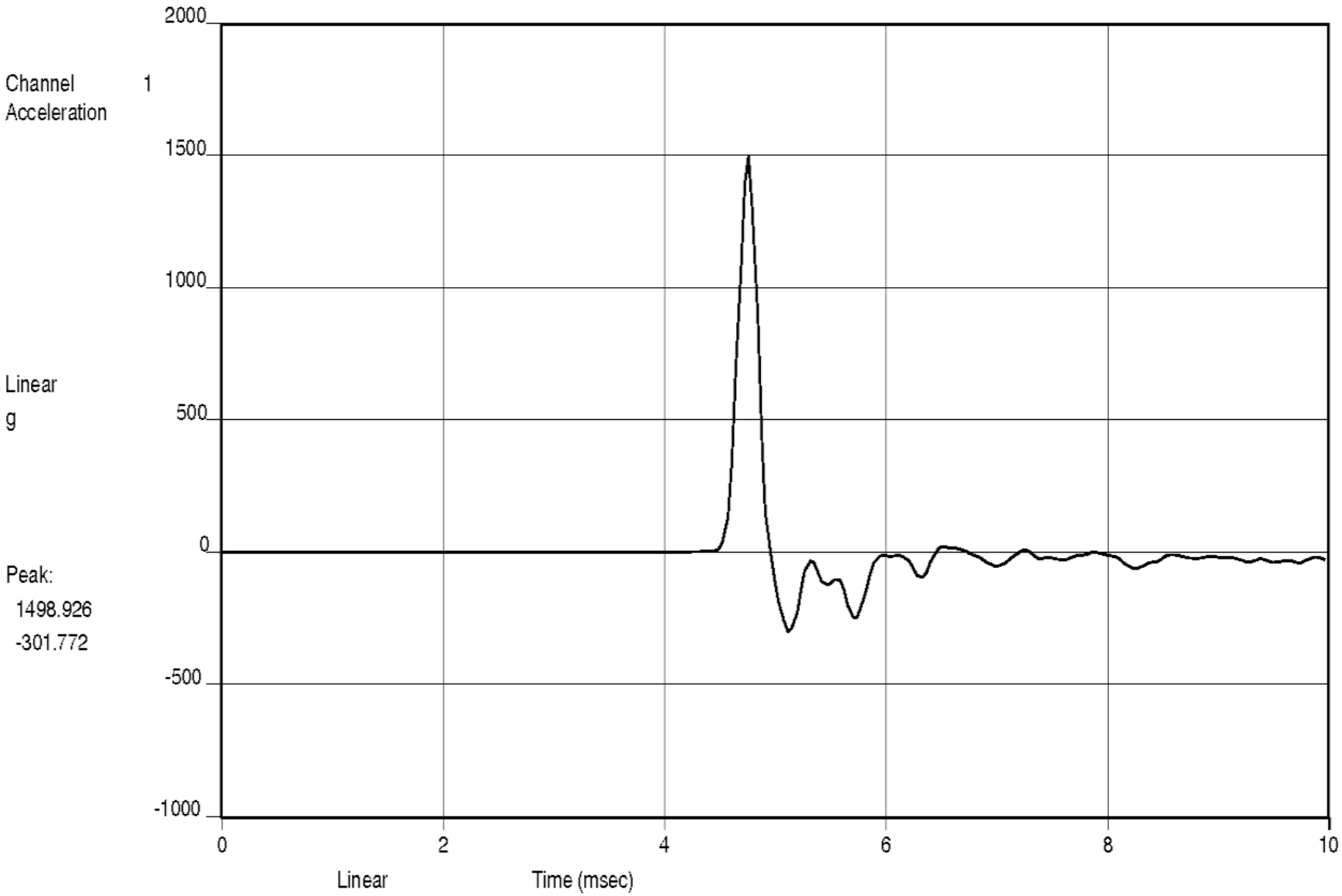
Test 5 (+)Y-axis Operational Shock 1500G



13:19:00.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (+) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

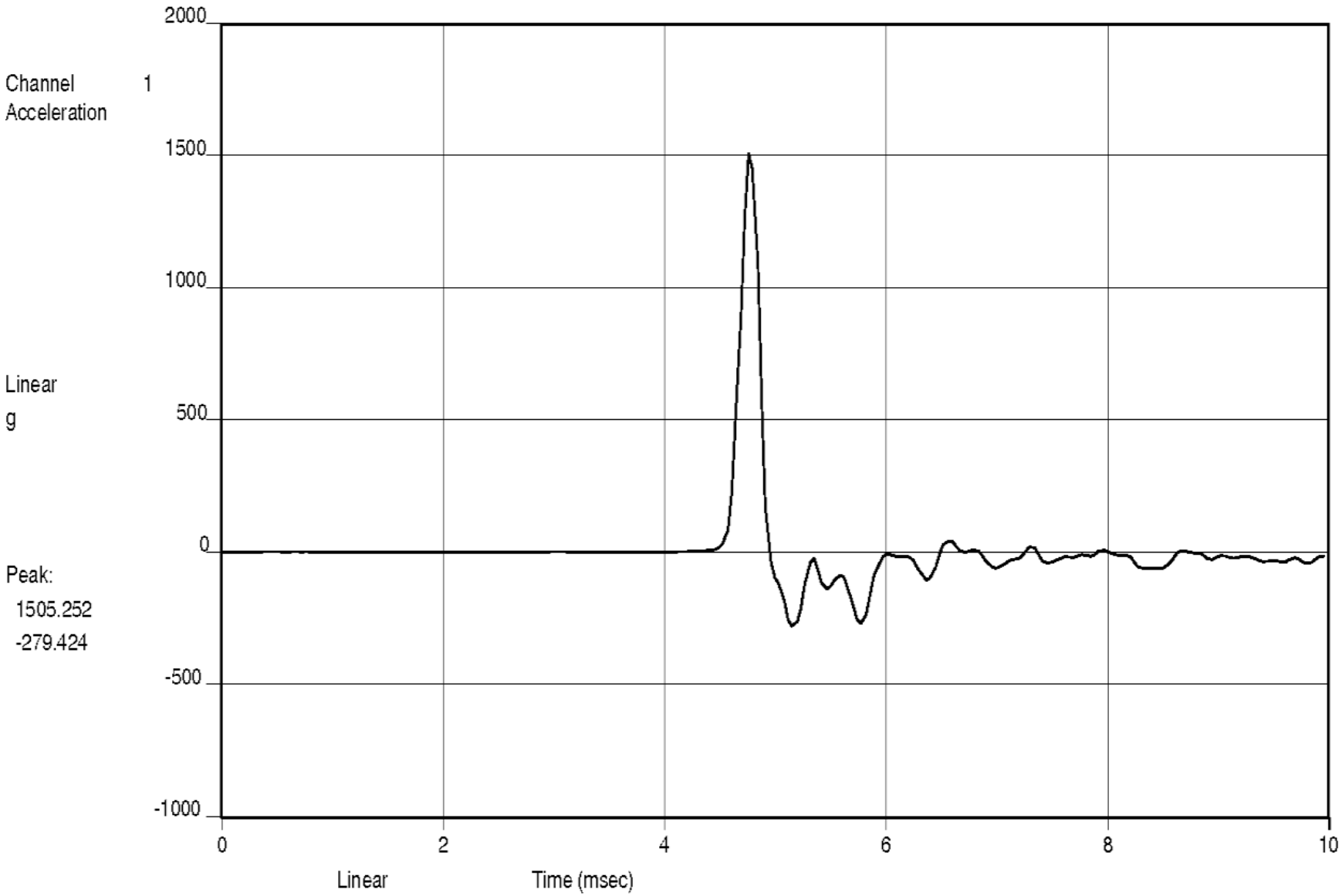


CONTROL

13:19:19.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (+) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

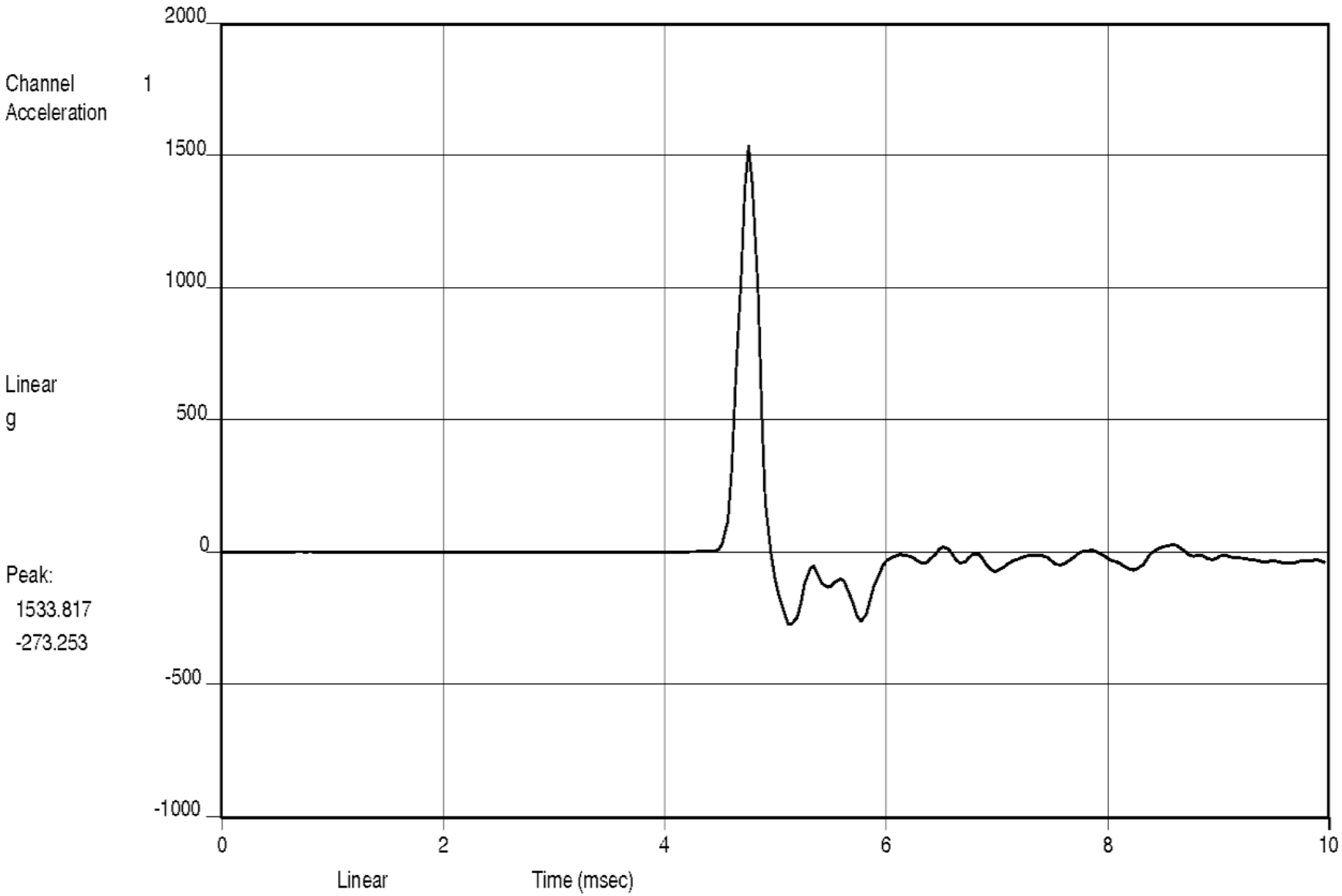


CONTROL

13:19:35.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (+) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

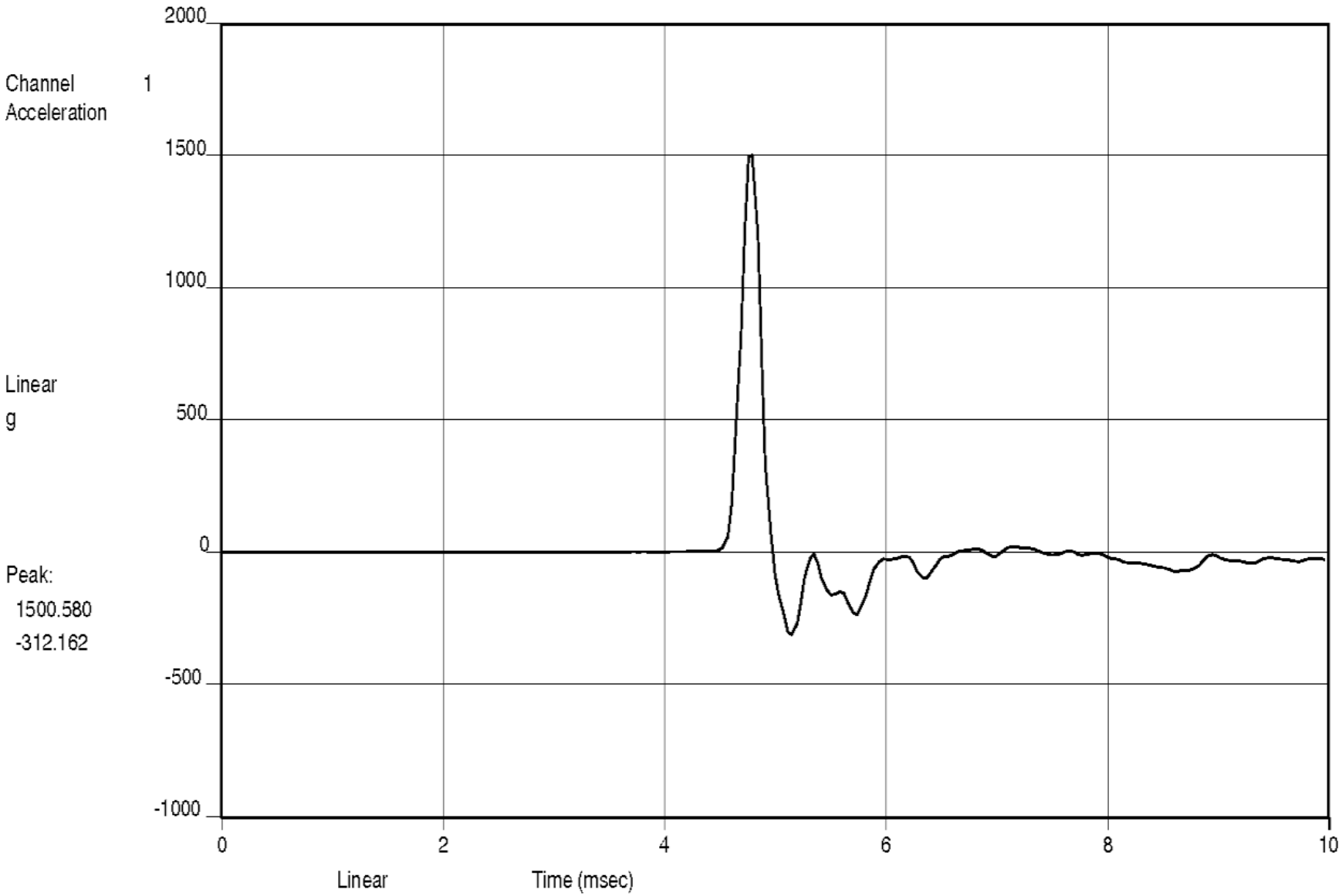


CONTROL

13:19:58.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (+) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

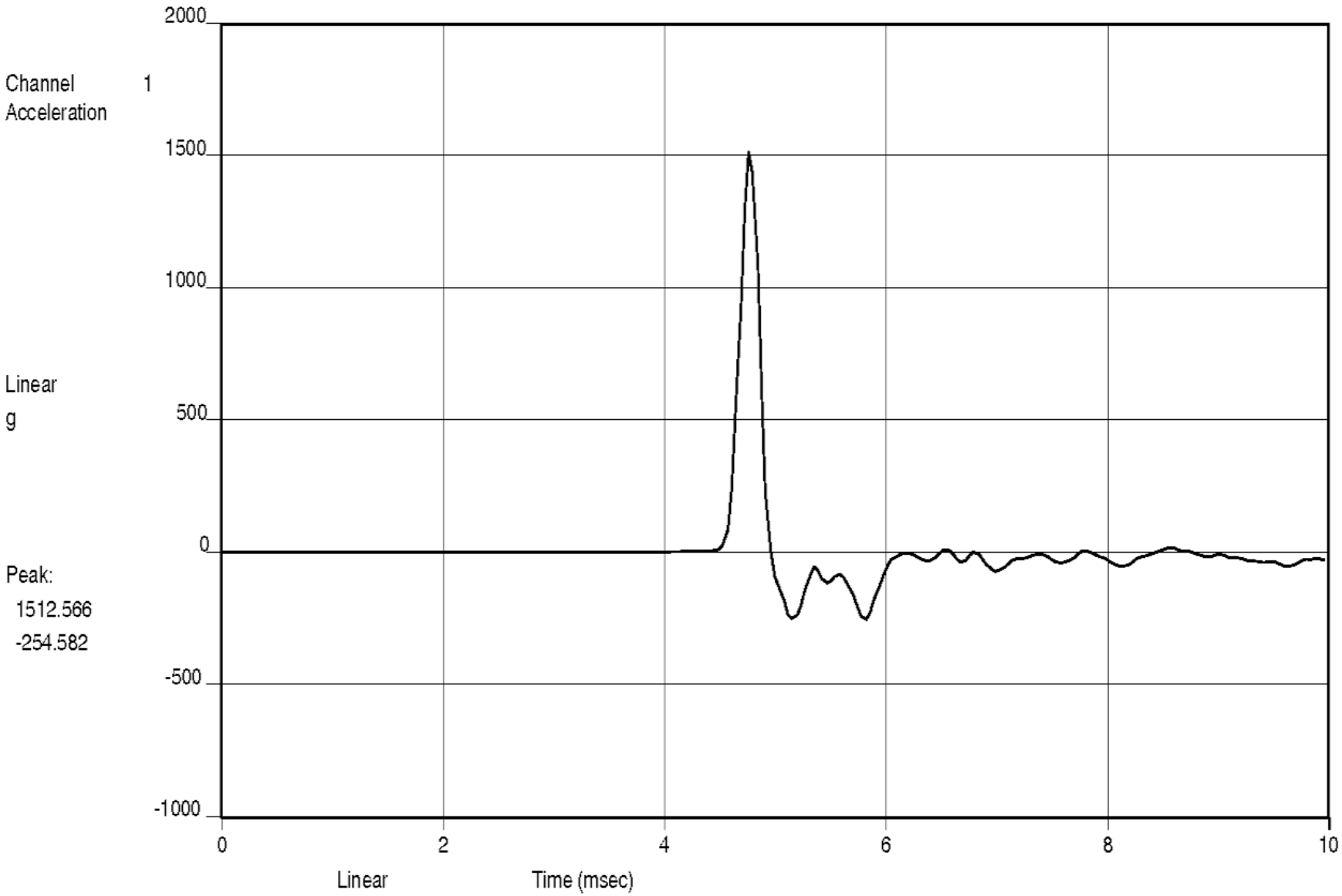


CONTROL

13:20:17.2
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (+) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

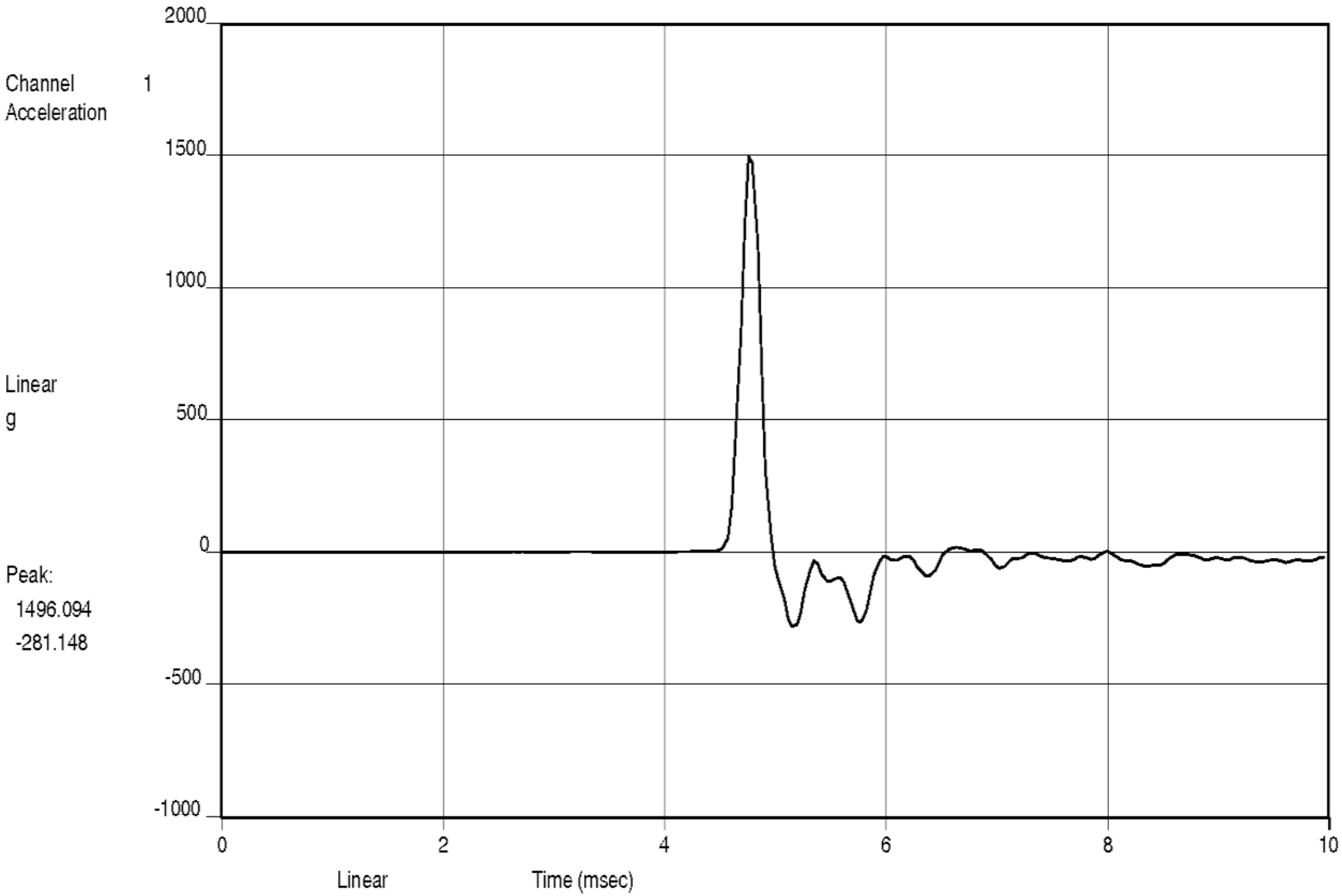


CONTROL

13:22:33.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (-) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

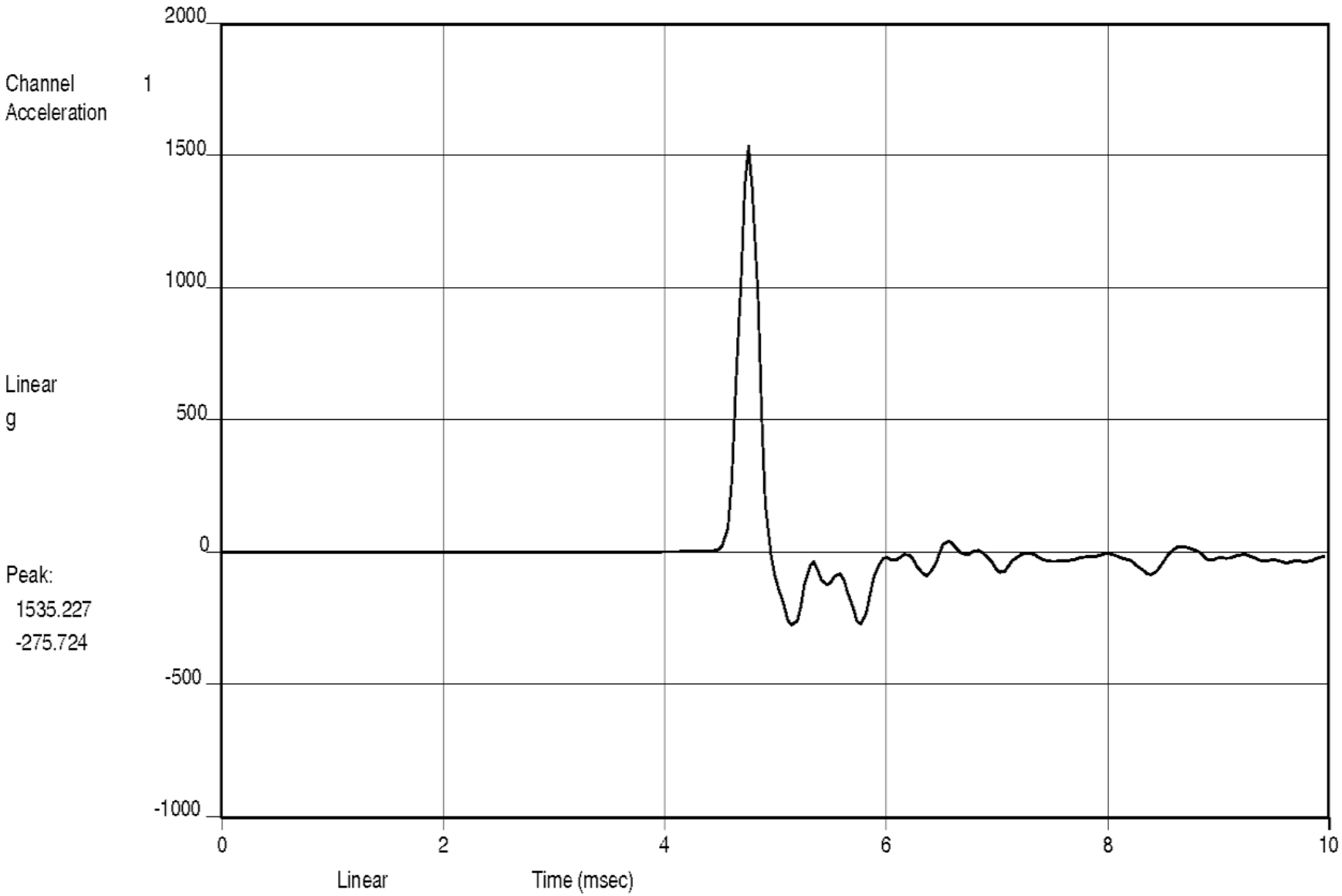


CONTROL

13:22:51.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (-) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

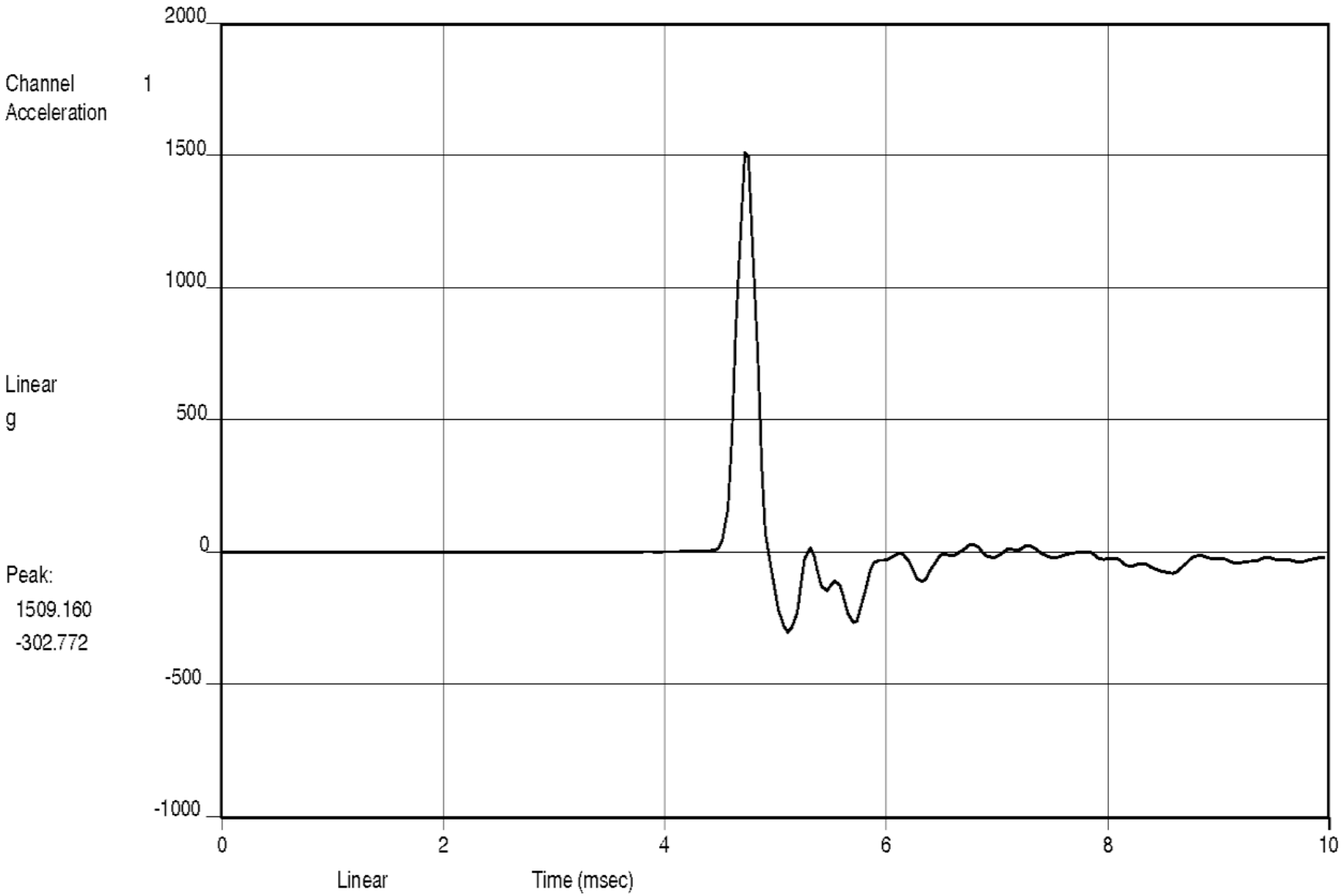


CONTROL

13:23:02.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (-) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

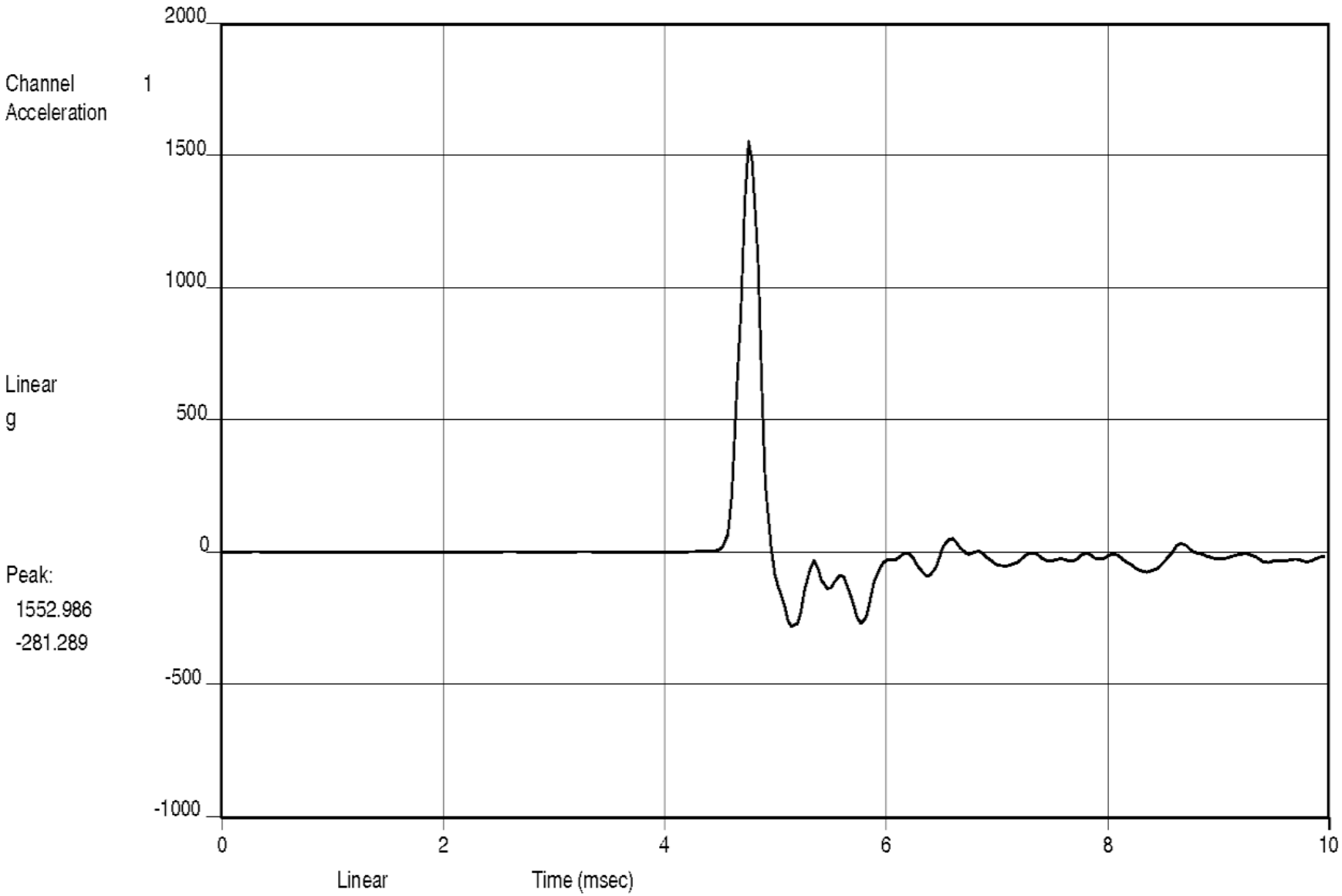


CONTROL

13:23:14.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (-) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.015



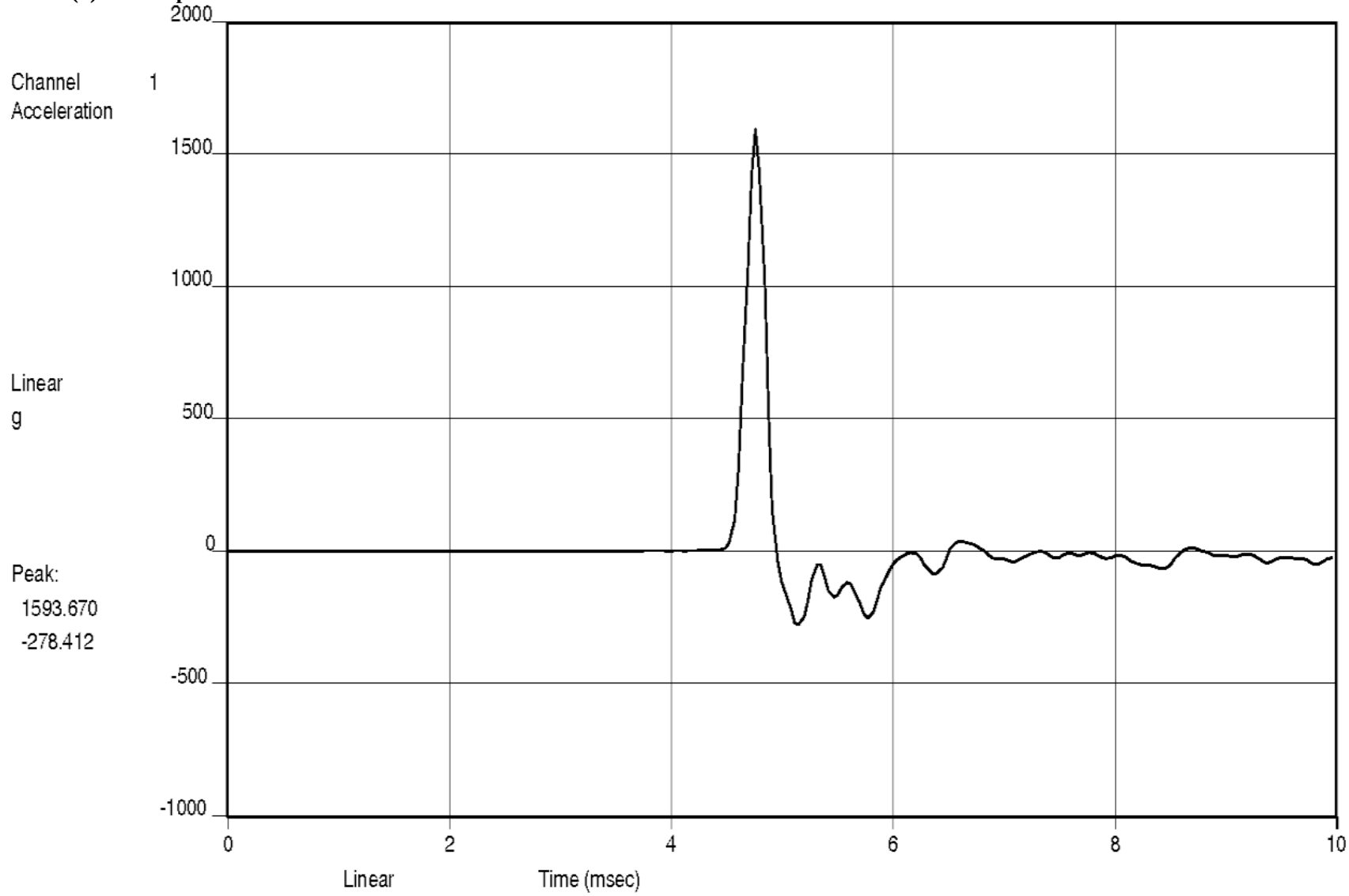
CONTROL

13:23:25.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#5 AXIS: (-) Y OPERATIONAL SHOCK - 1500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.015

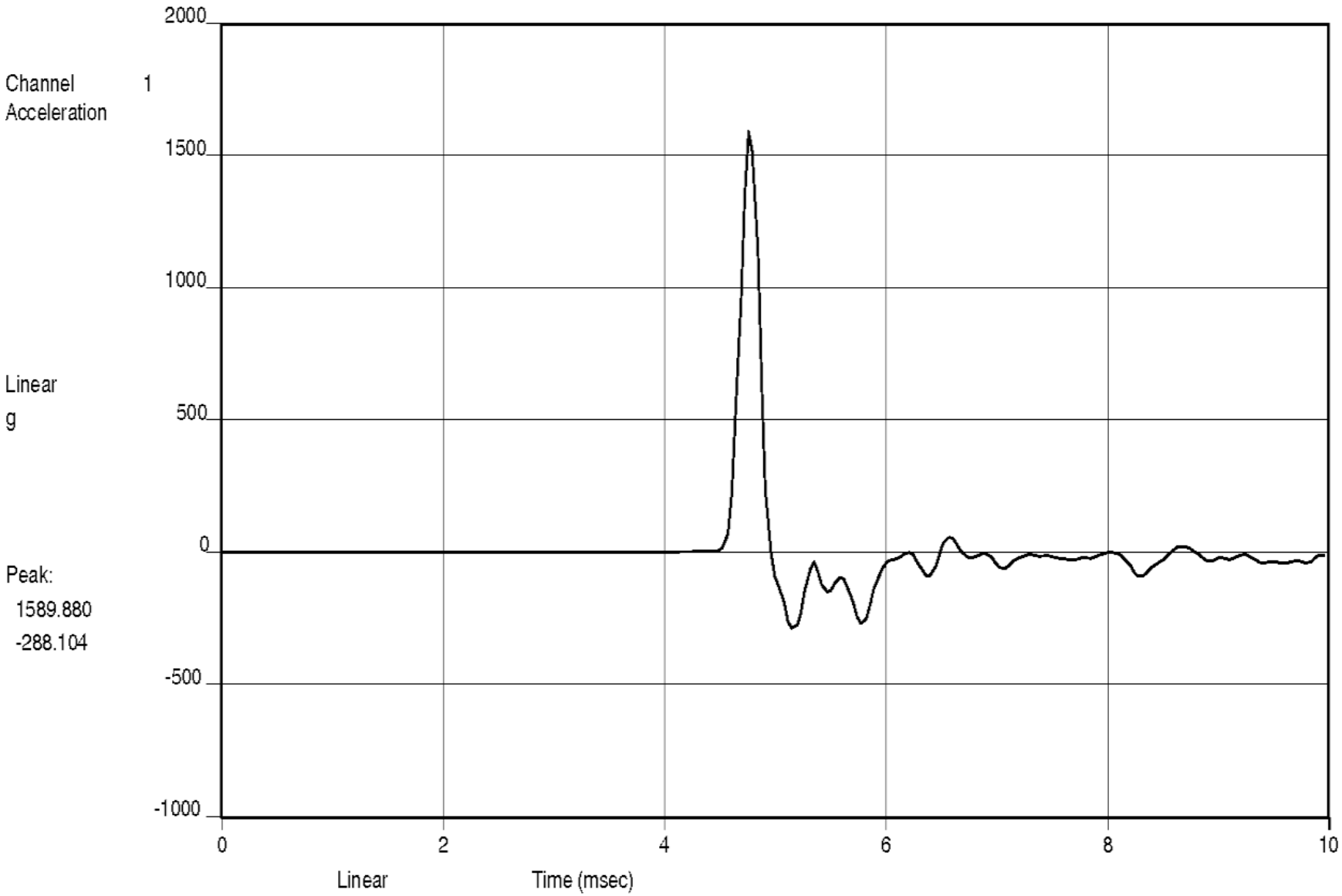
Test 6 (+)X-axis Operational Shock 1500G



13:24:31.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (+) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.016

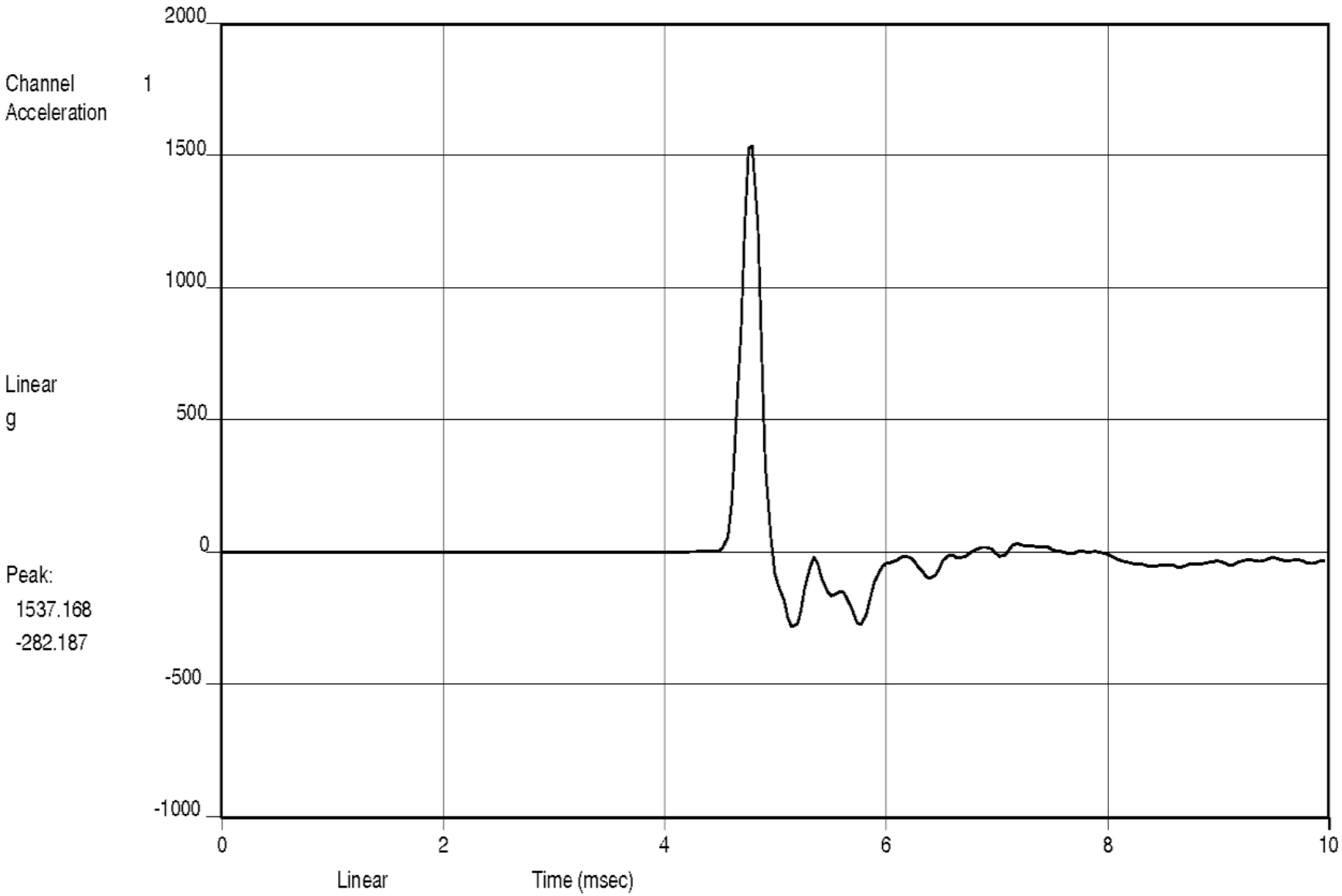


CONTROL

13:24:59.4
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (+) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.016

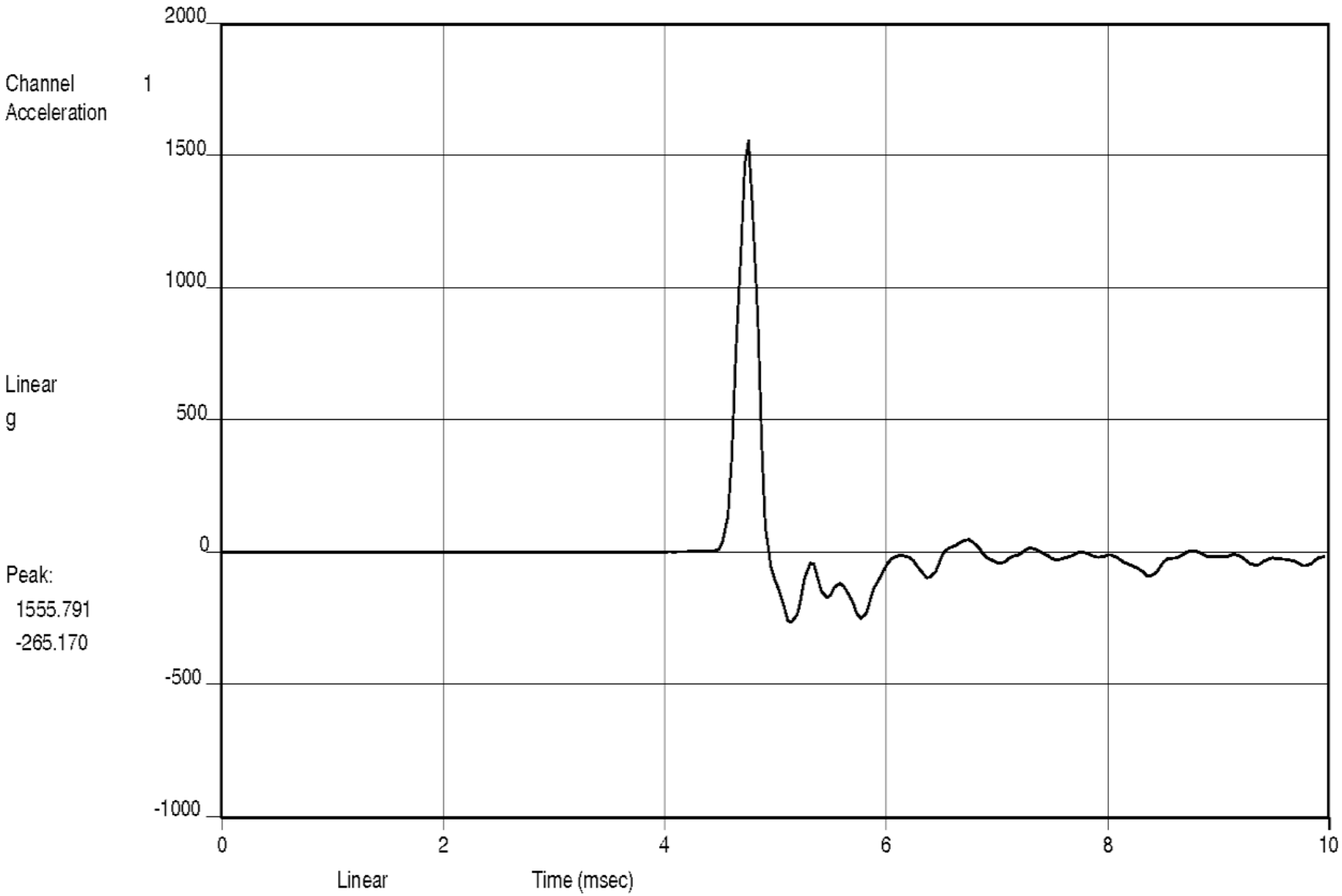


CONTROL

13:25:14.2
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (+) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.016

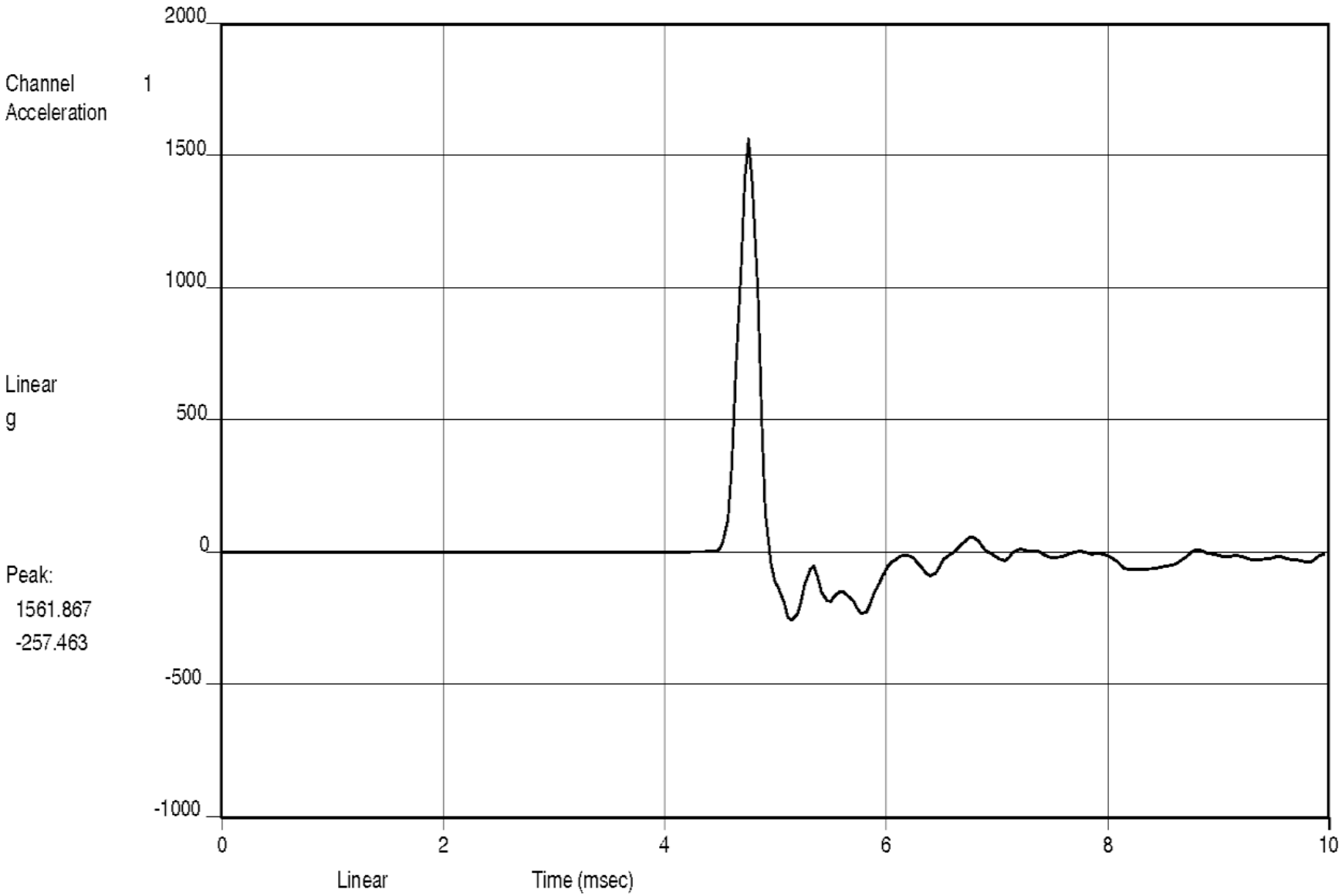


CONTROL

13:25:27.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (+) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.016

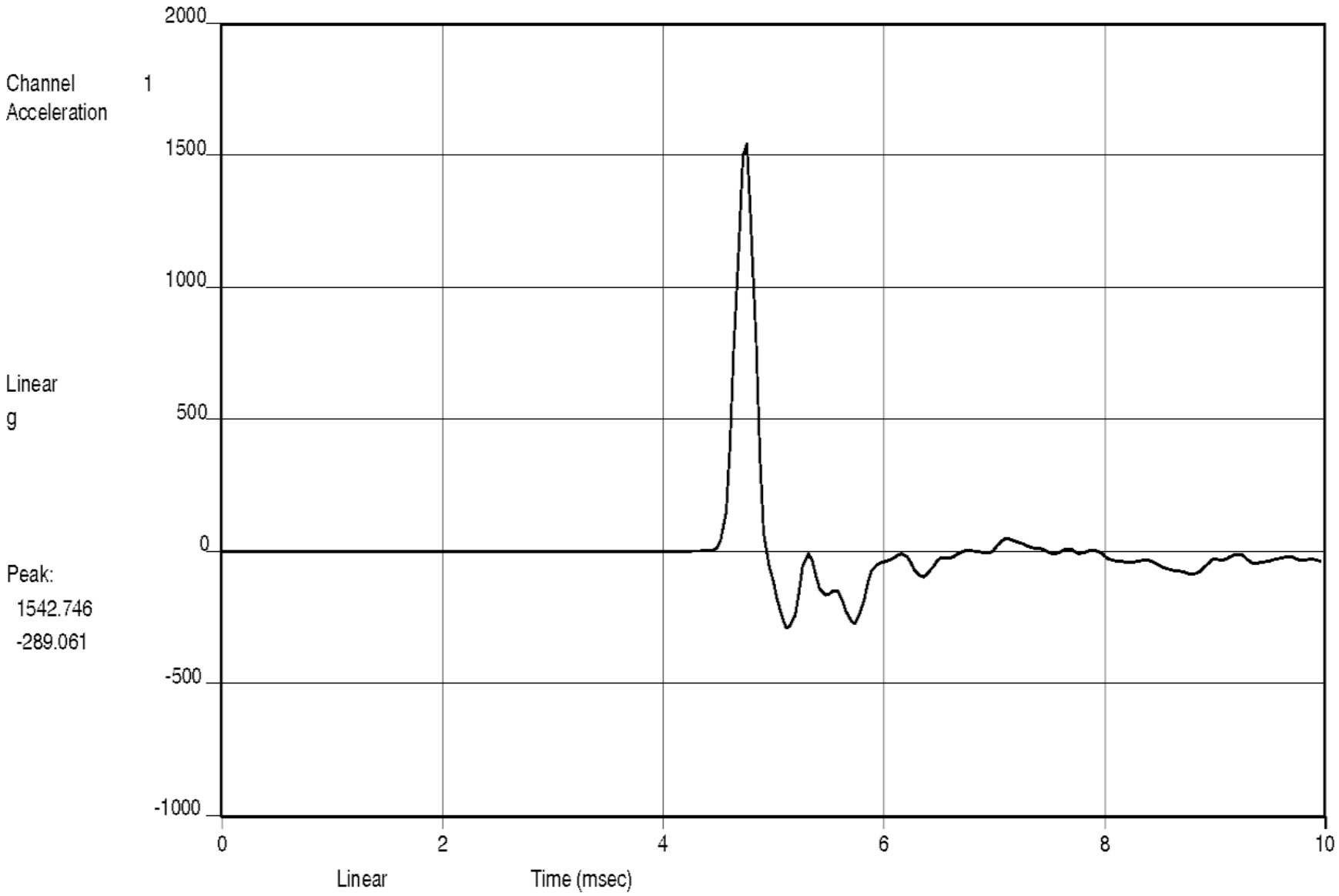


CONTROL

13:25:37.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (+) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.016

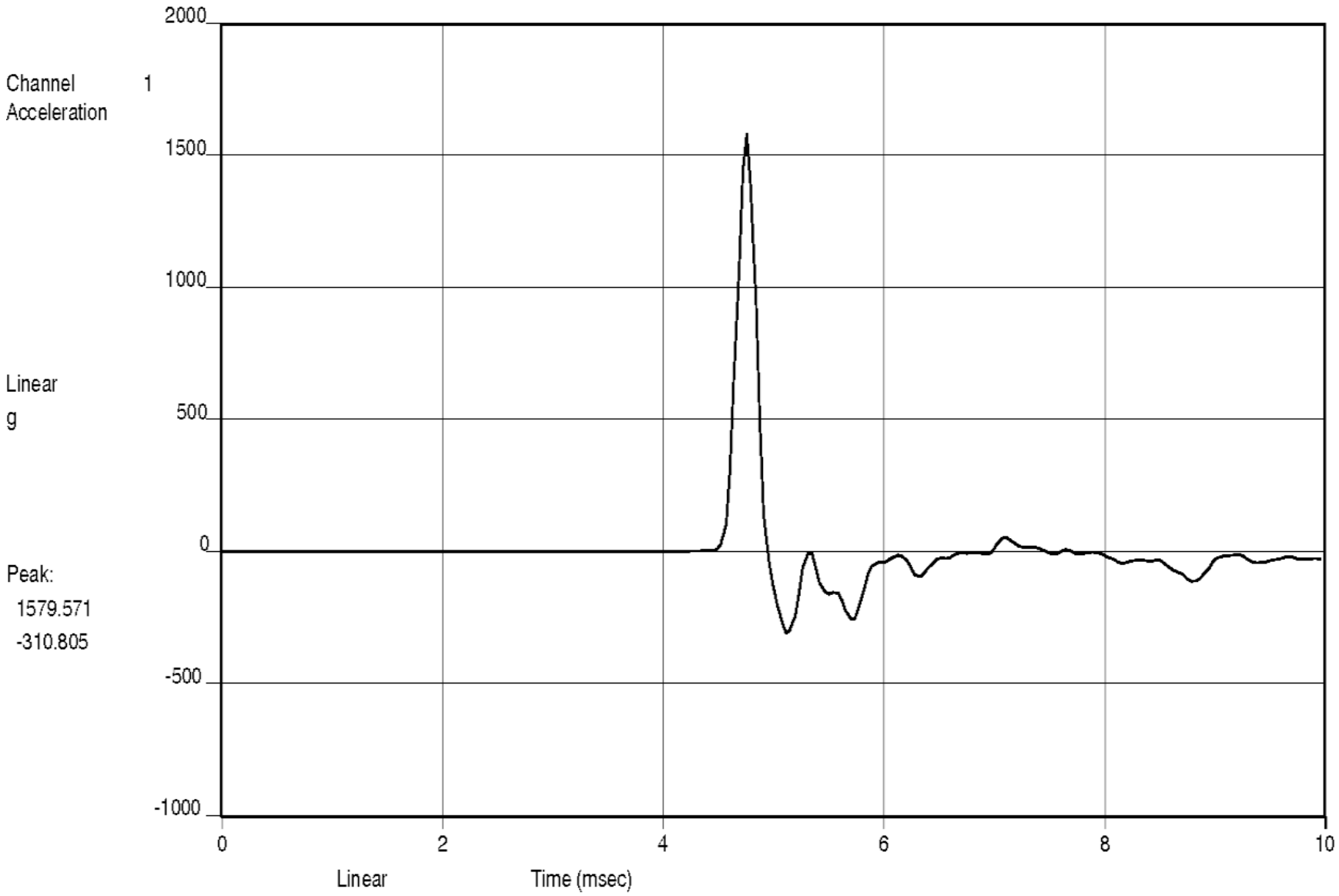


CONTROL

13:26:41.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (-) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (1 OF 5)

Data Review Name: DIGI-PAS_SHOCK.016

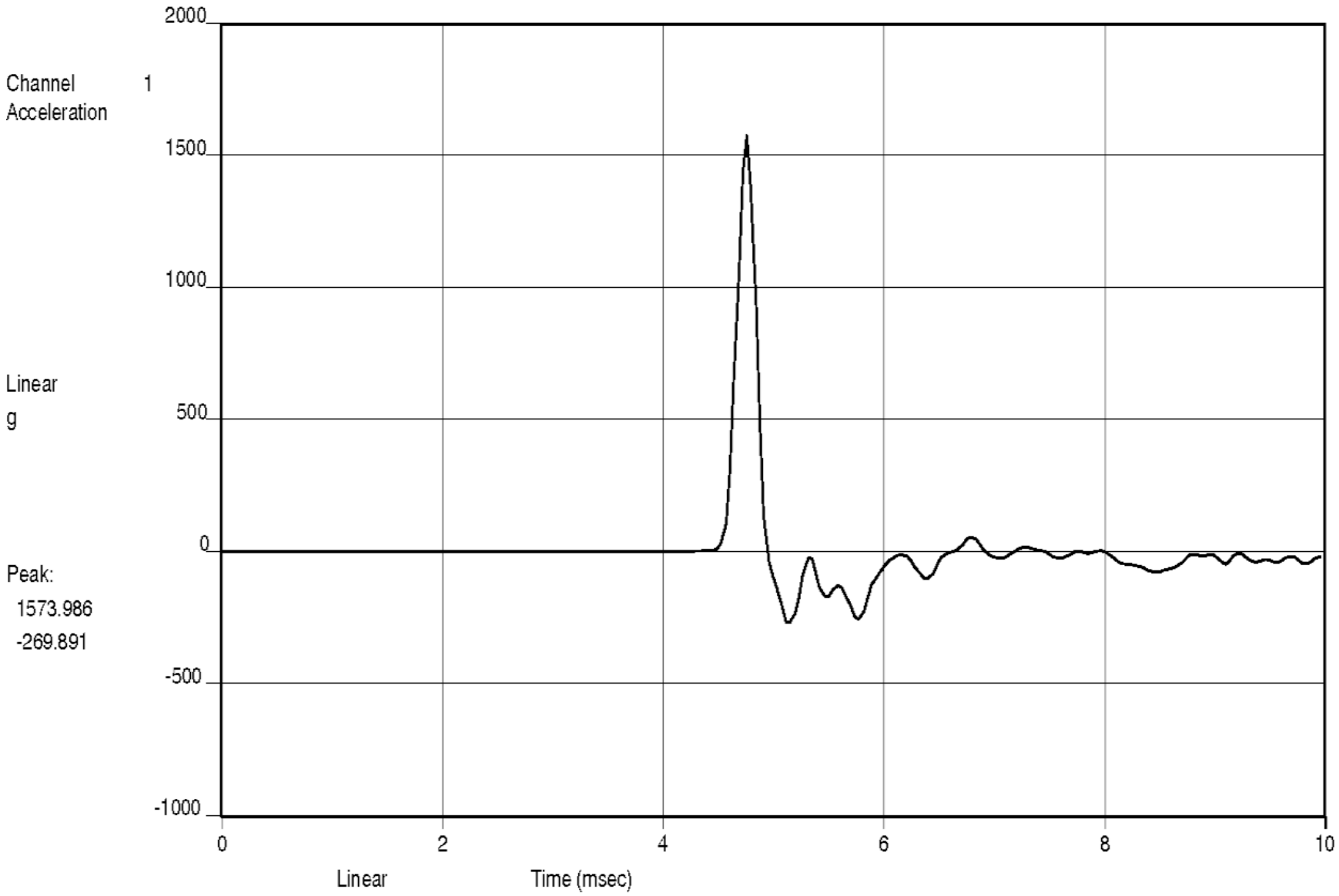


CONTROL

13:27:16.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (-) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (2 OF 5)

Data Review Name: DIGI-PAS_SHOCK.016

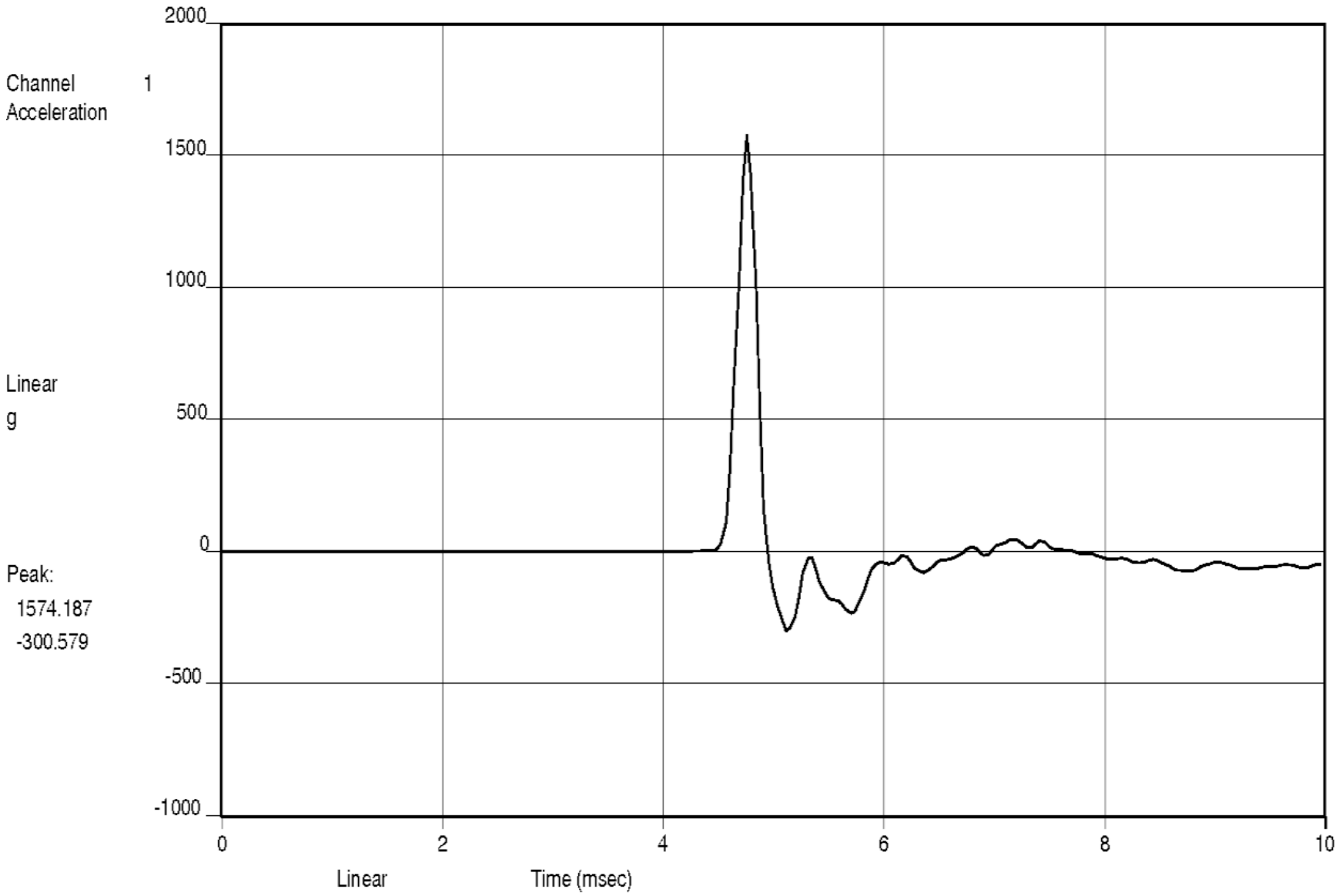


CONTROL

13:27:30.7
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (-) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (3 OF 5)

Data Review Name: DIGI-PAS_SHOCK.016

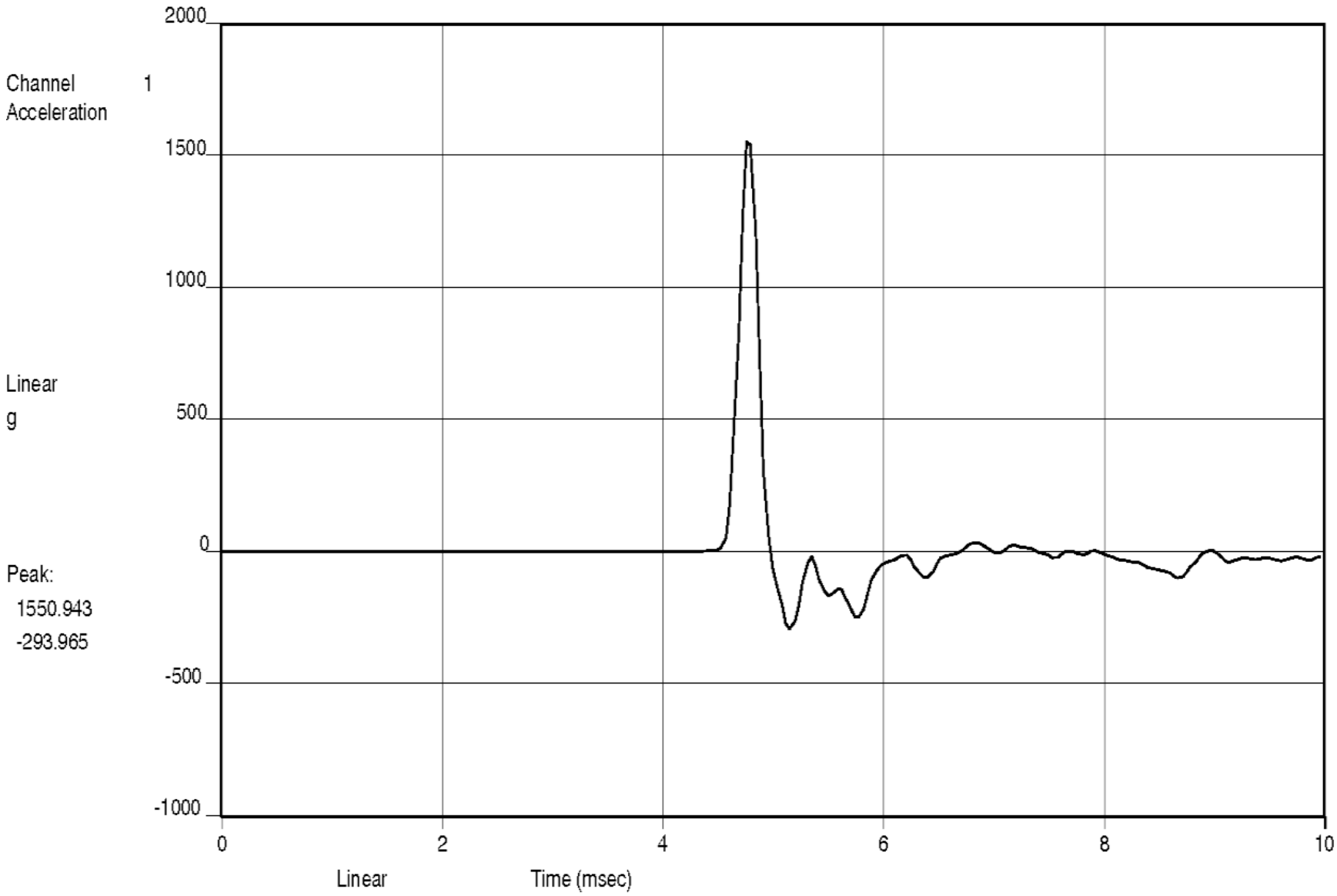


CONTROL

13:27:42.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (-) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (4 OF 5)

Data Review Name: DIGI-PAS_SHOCK.016



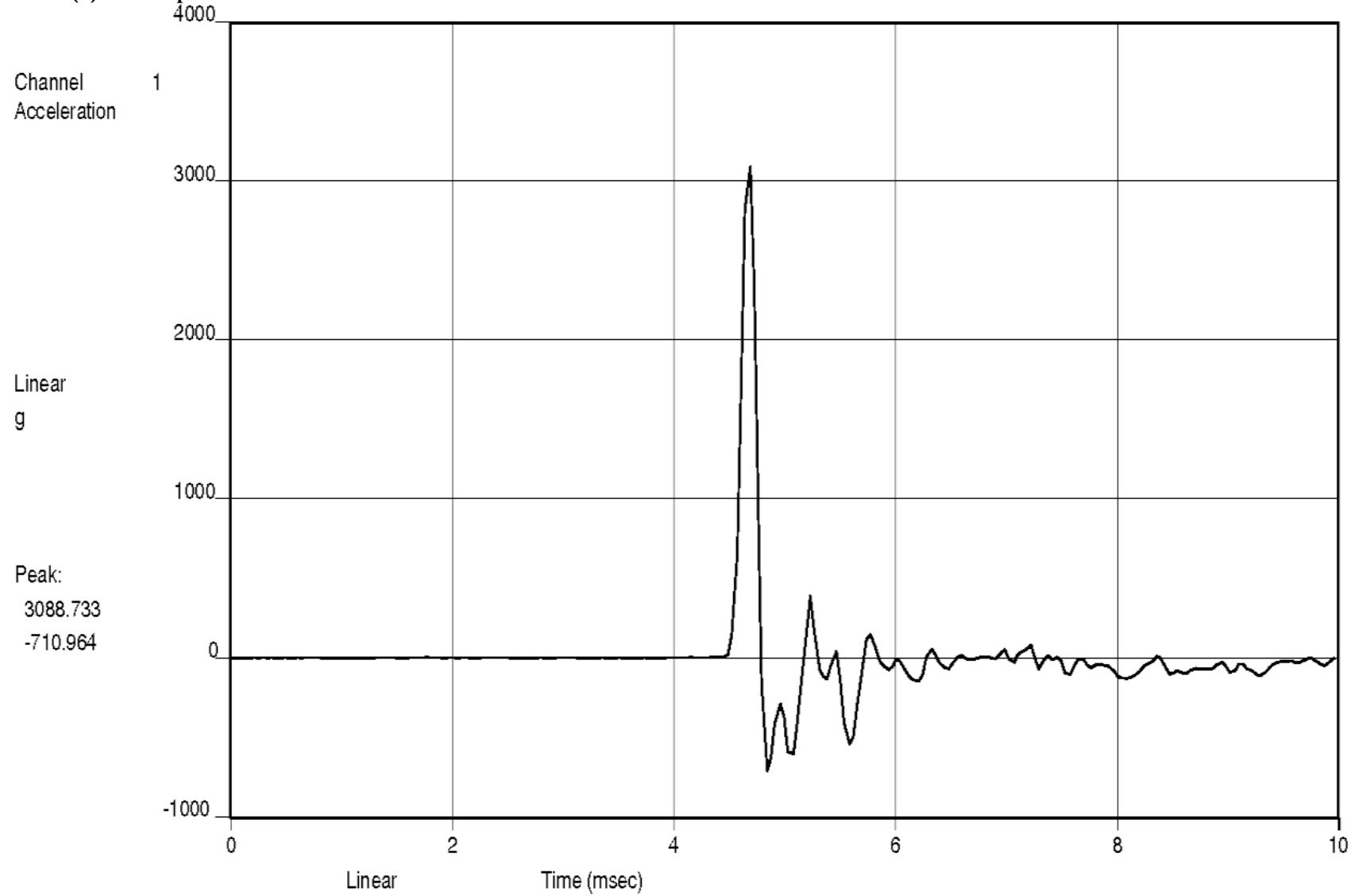
CONTROL

13:27:55.4
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#6 AXIS: (-) X OPERATIONAL SHOCK - 1500G, 0.5MS, HS (5 OF 5)

Data Review Name: DIGI-PAS_SHOCK.016

Test 7 (+)Y-axis Operational Shock 3000G

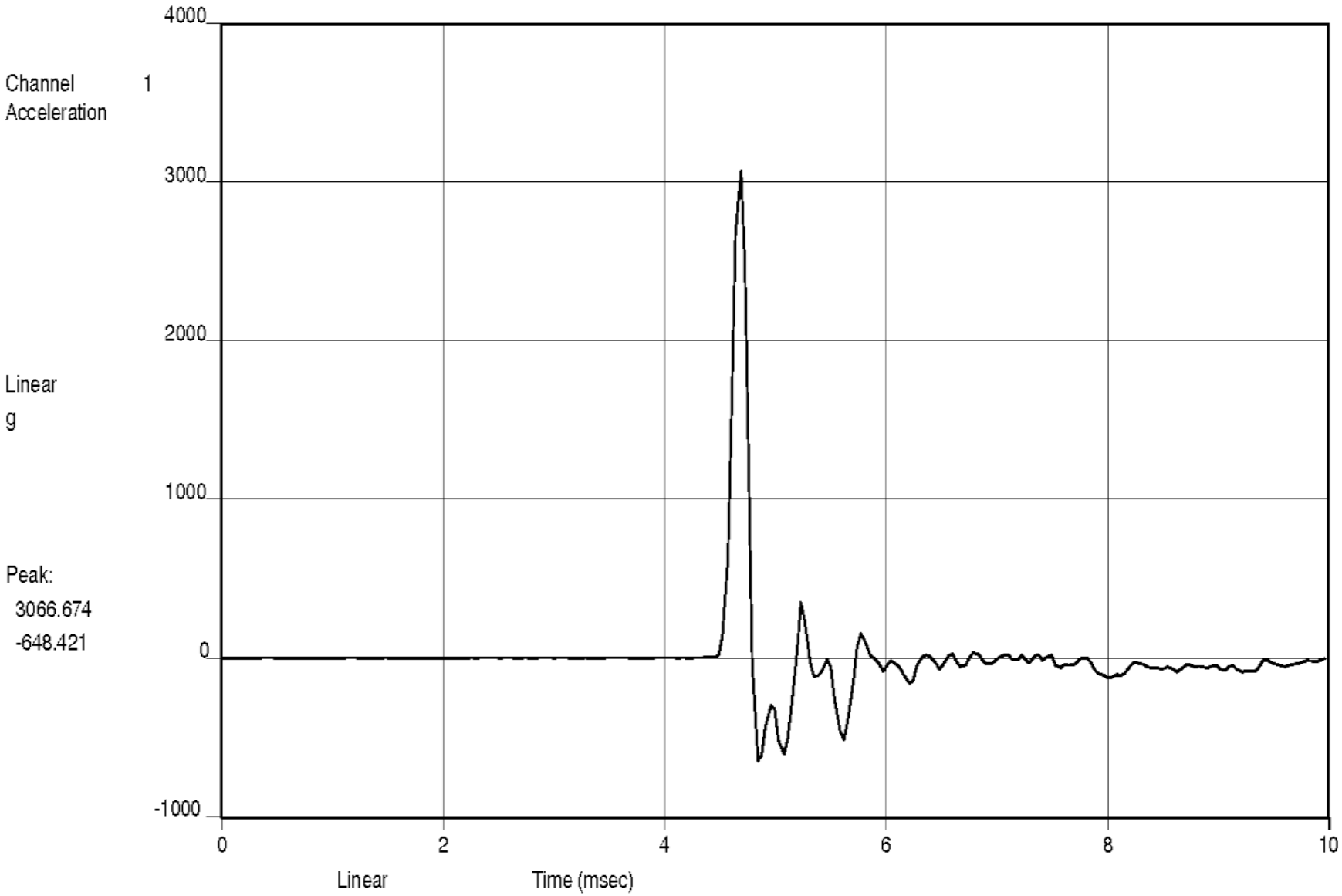


CONTROL

13:38:13.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (+) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.017

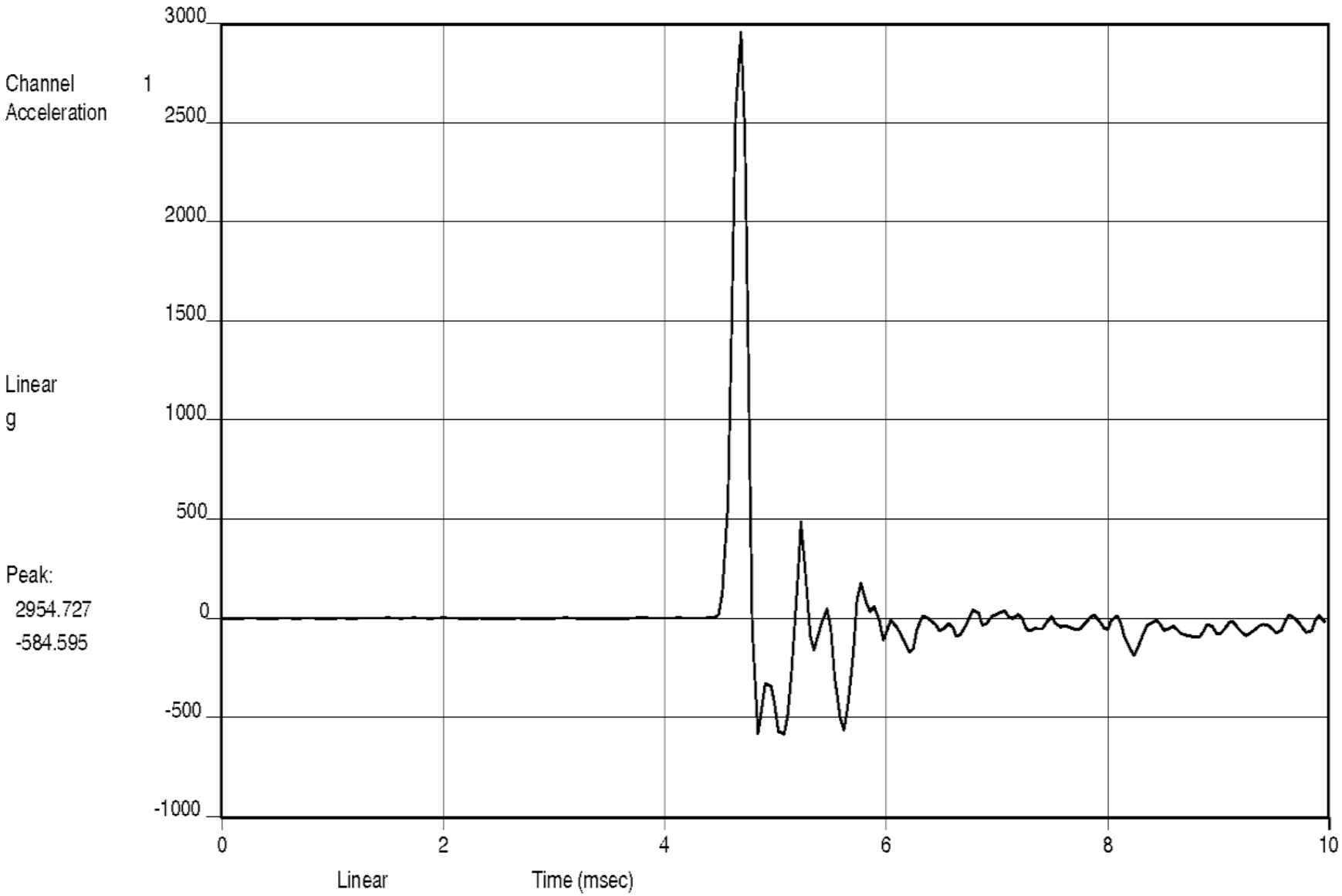


CONTROL

13:38:44.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (+) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.017

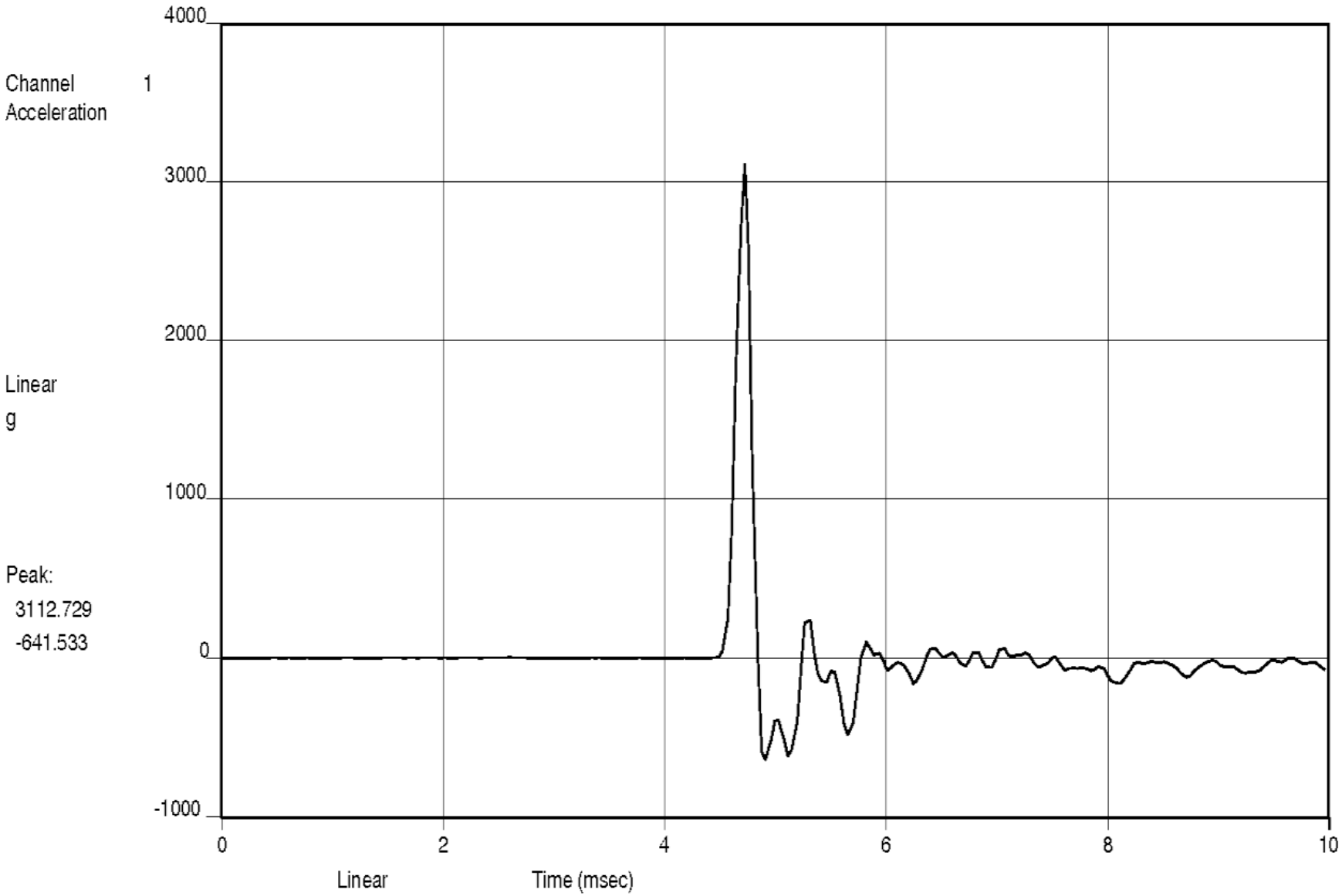


CONTROL

13:39:05.3
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (+) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.017

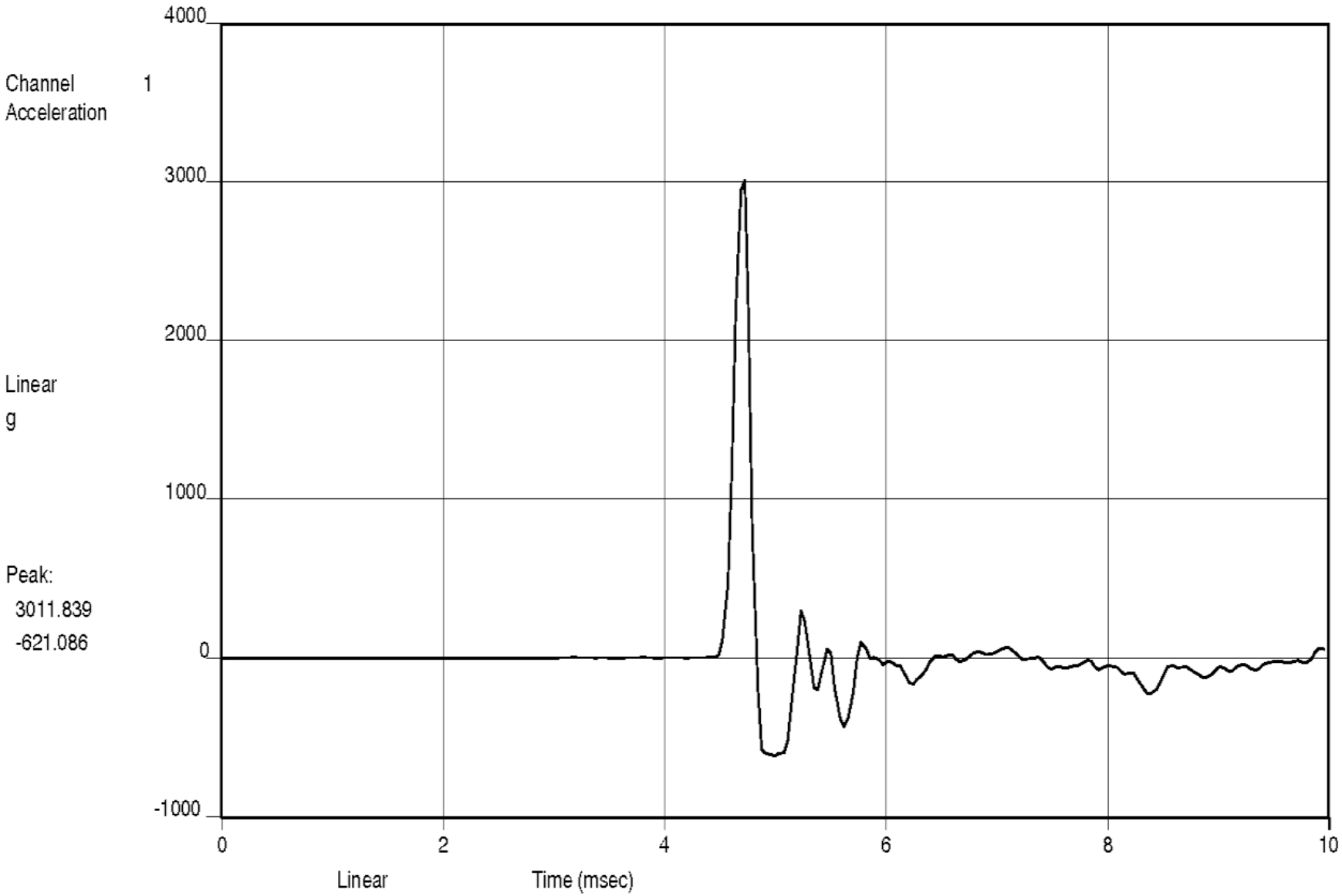


CONTROL

13:39:22.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (+) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.017

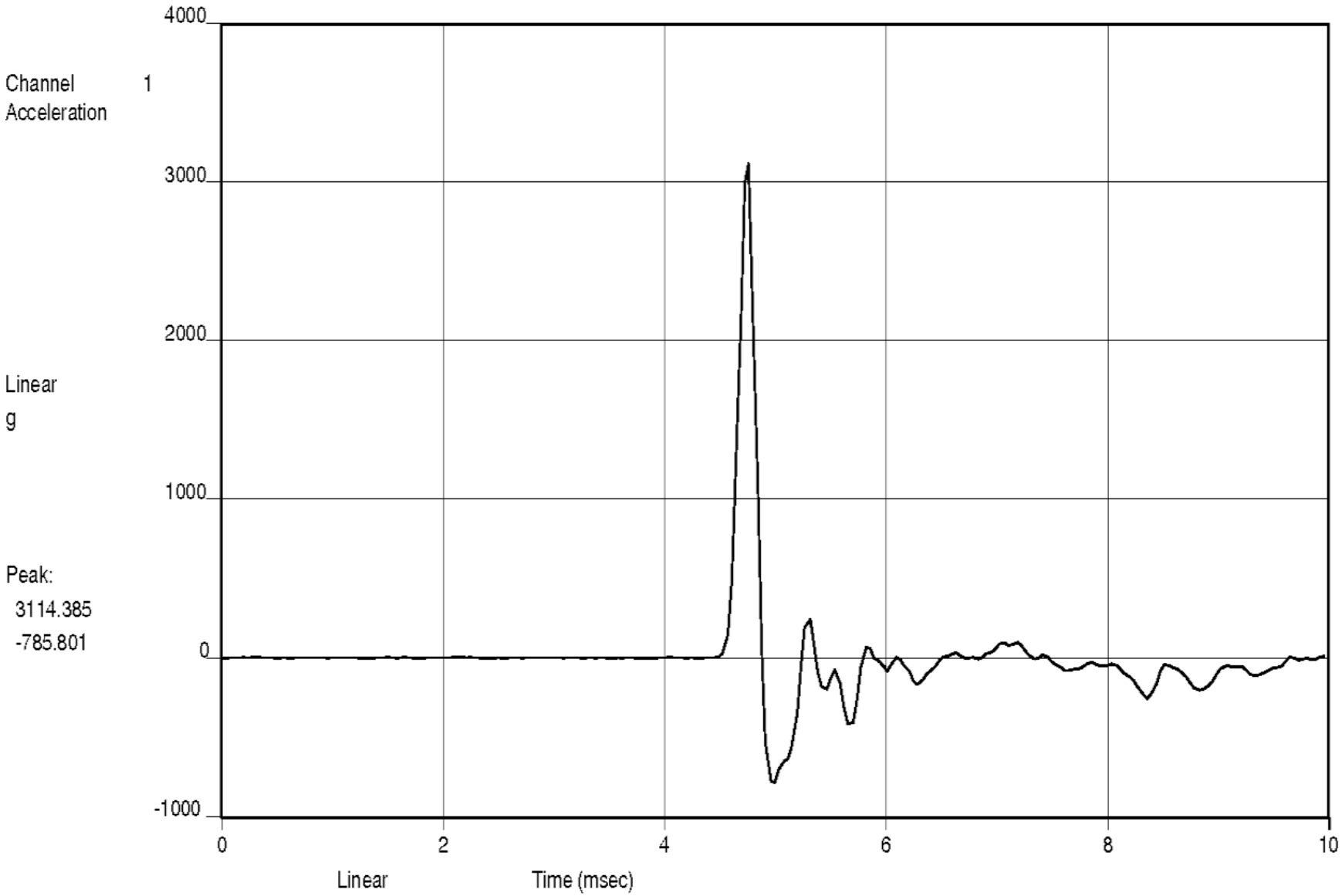


CONTROL

13:40:54.0
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (+) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.017

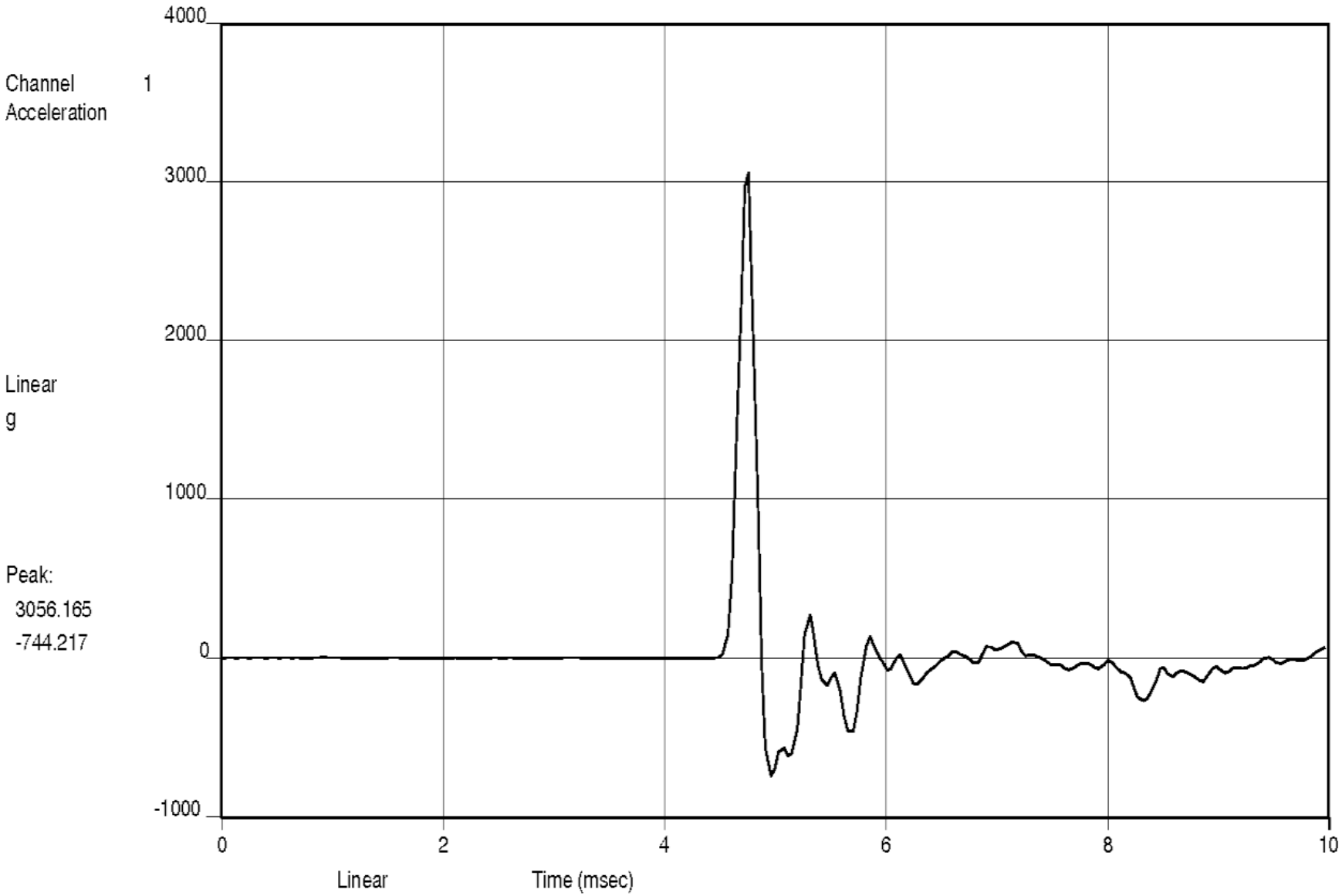


CONTROL

13:47:46.7
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (-) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.018

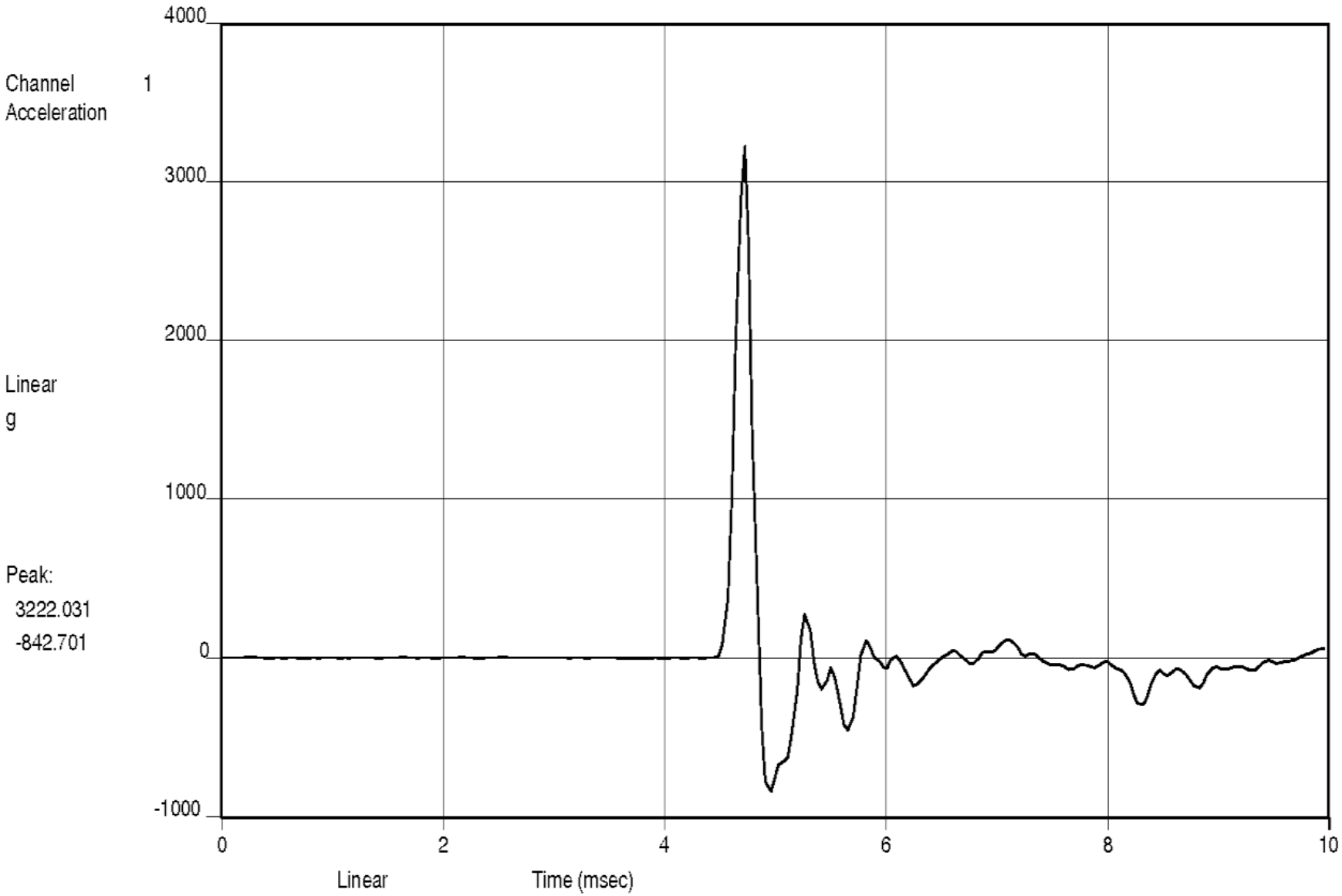


CONTROL

13:48:26.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (-) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.018

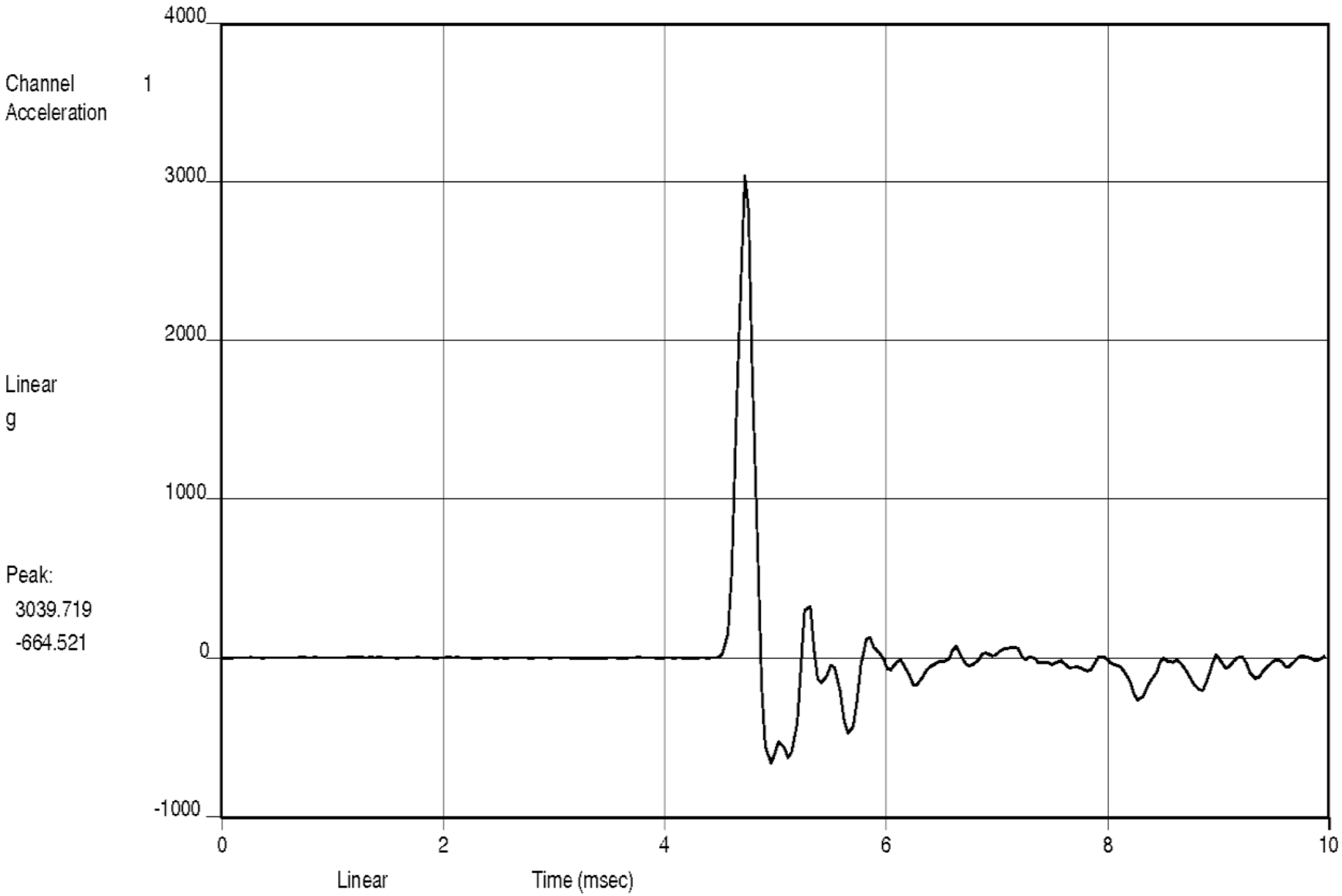


CONTROL

13:48:40.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (-) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.018

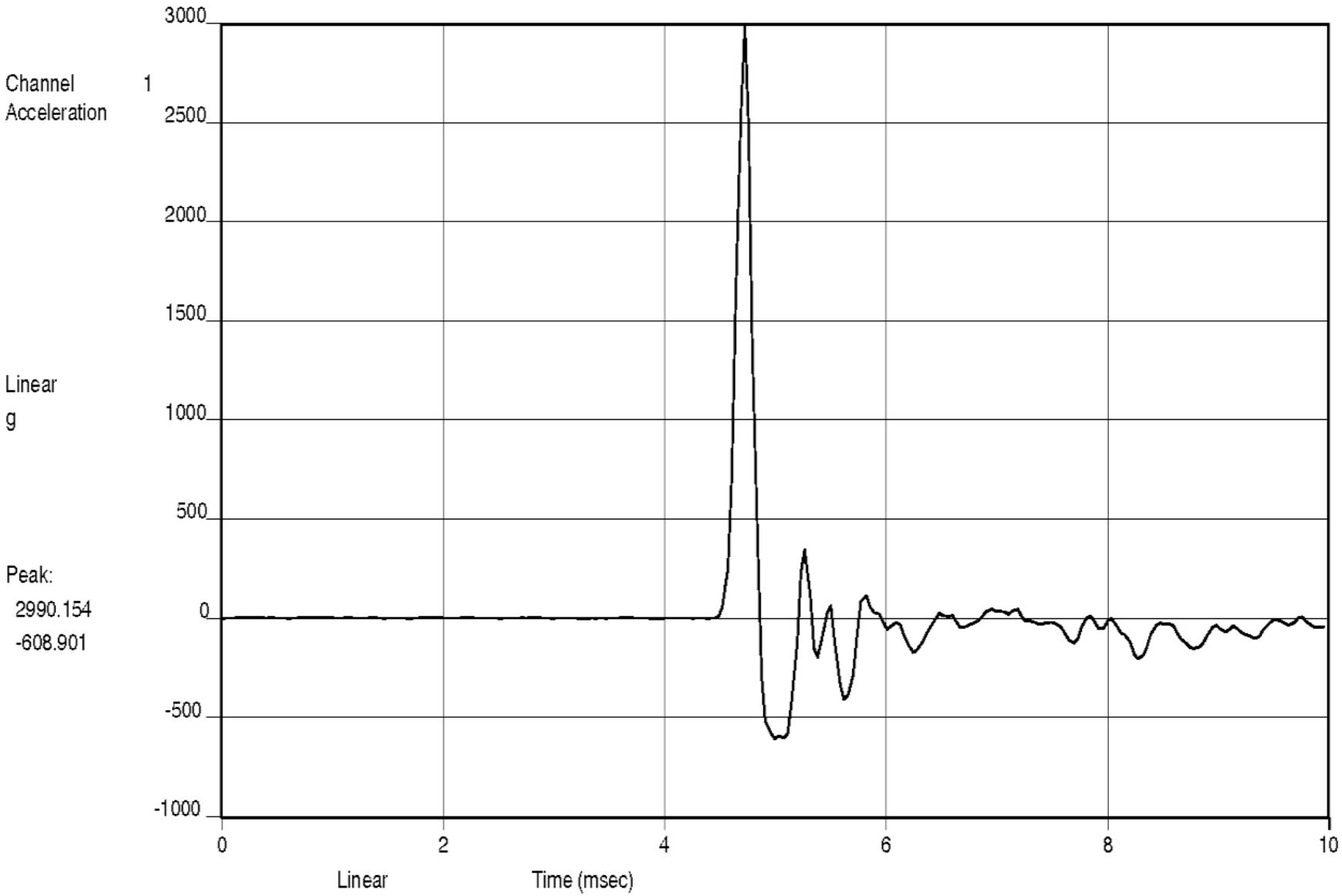


CONTROL

13:48:53.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (-) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.018



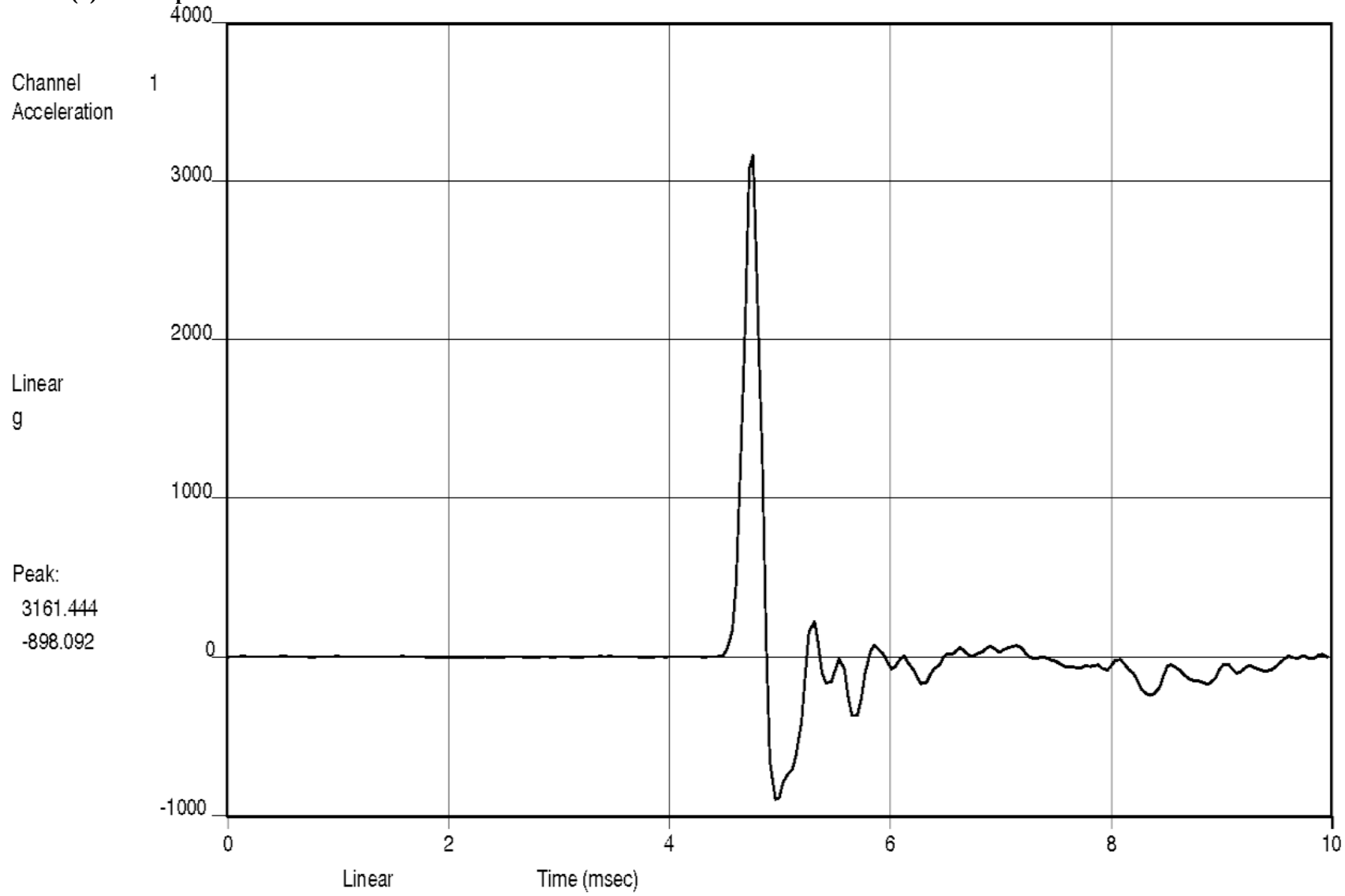
CONTROL

13:49:10.6
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#7 AXIS: (-) Y OPERATIONAL SHOCK - 3000G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.018

Test 8 (+)X-axis Operational Shock 3000G

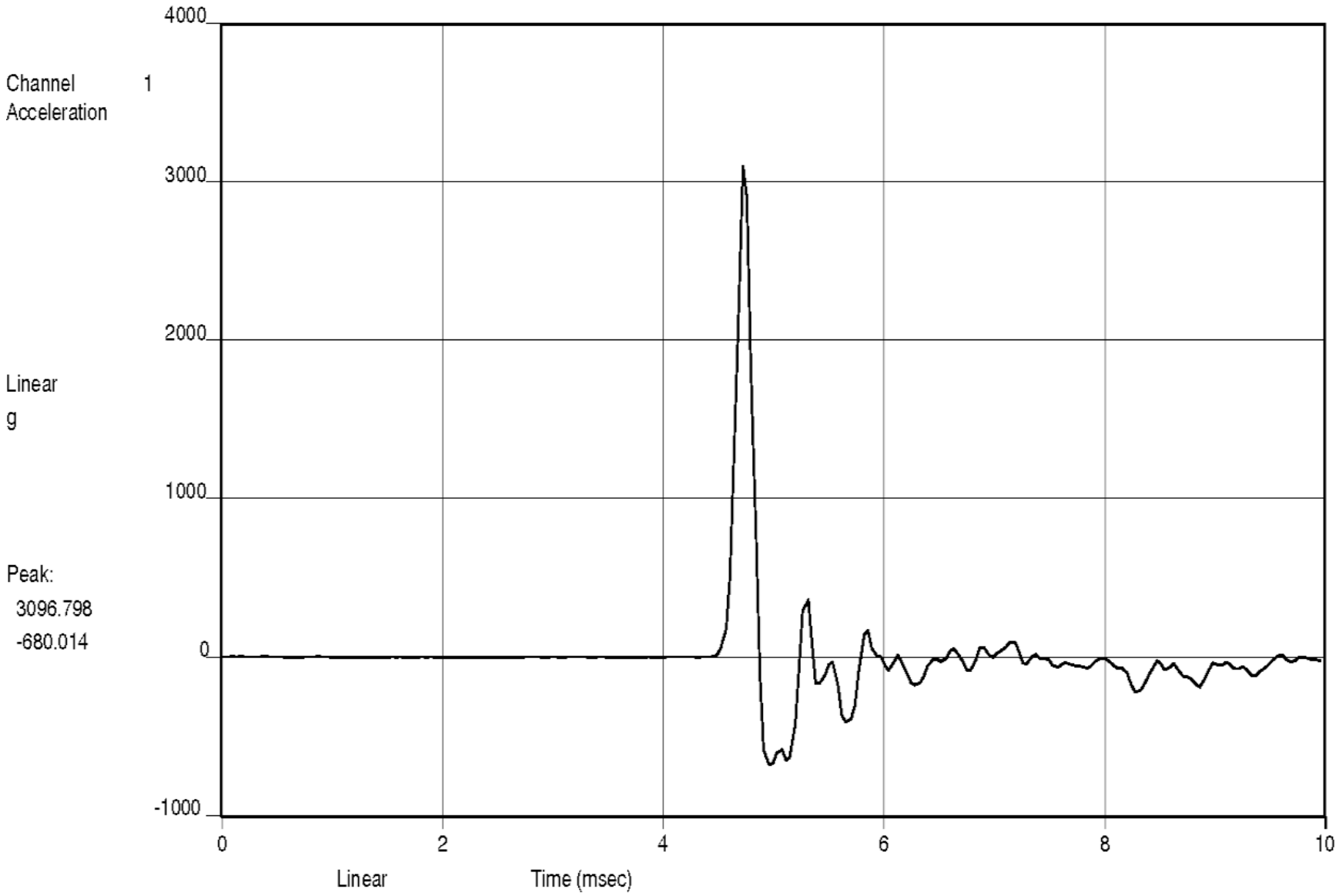


CONTROL

13:50:17.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (+) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (1 OF 5)

Data Review Name: DIGI-PAS_SHOCK.018

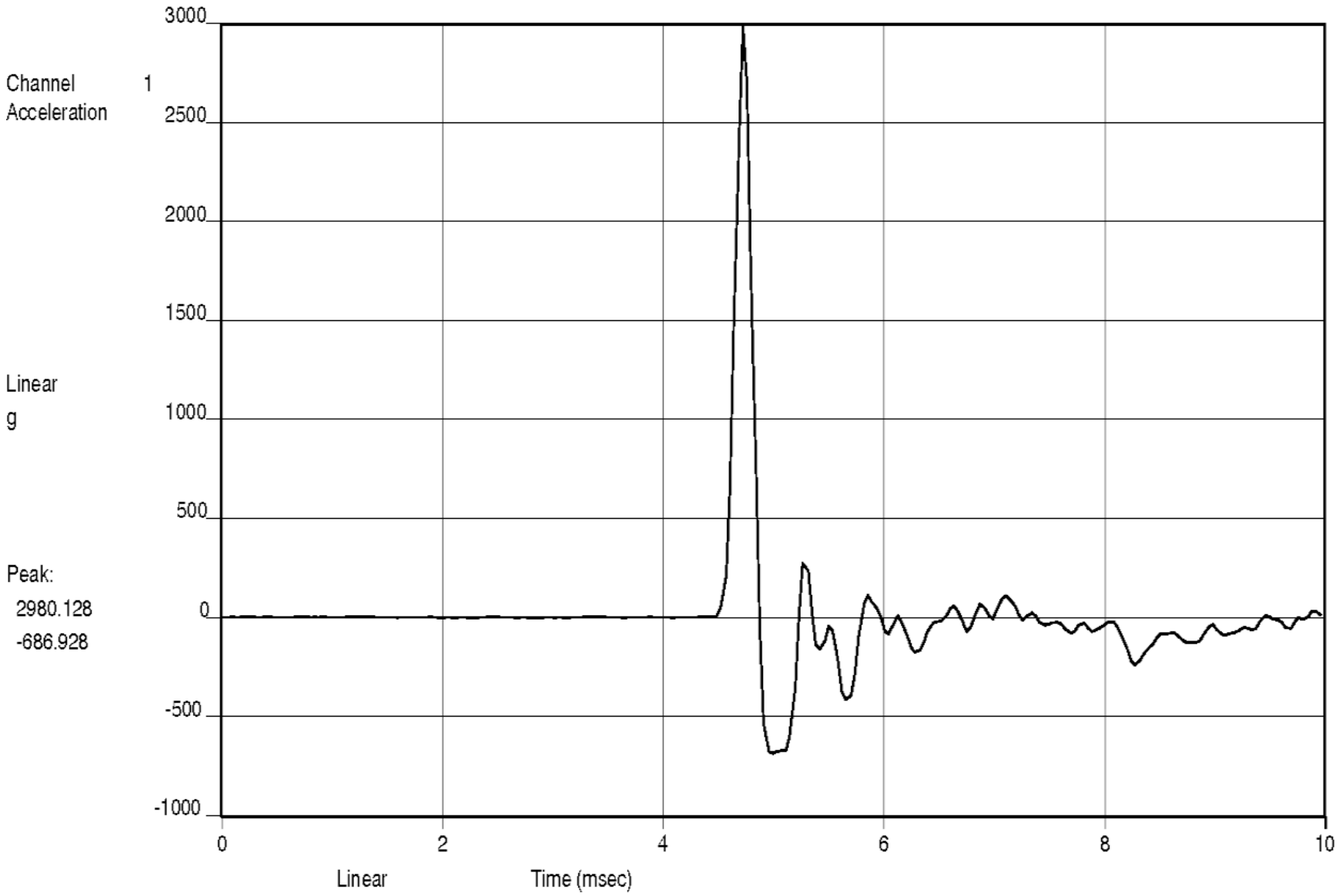


CONTROL

13:50:38.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (+) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (2 OF 5)

Data Review Name: DIGI-PAS_SHOCK.018

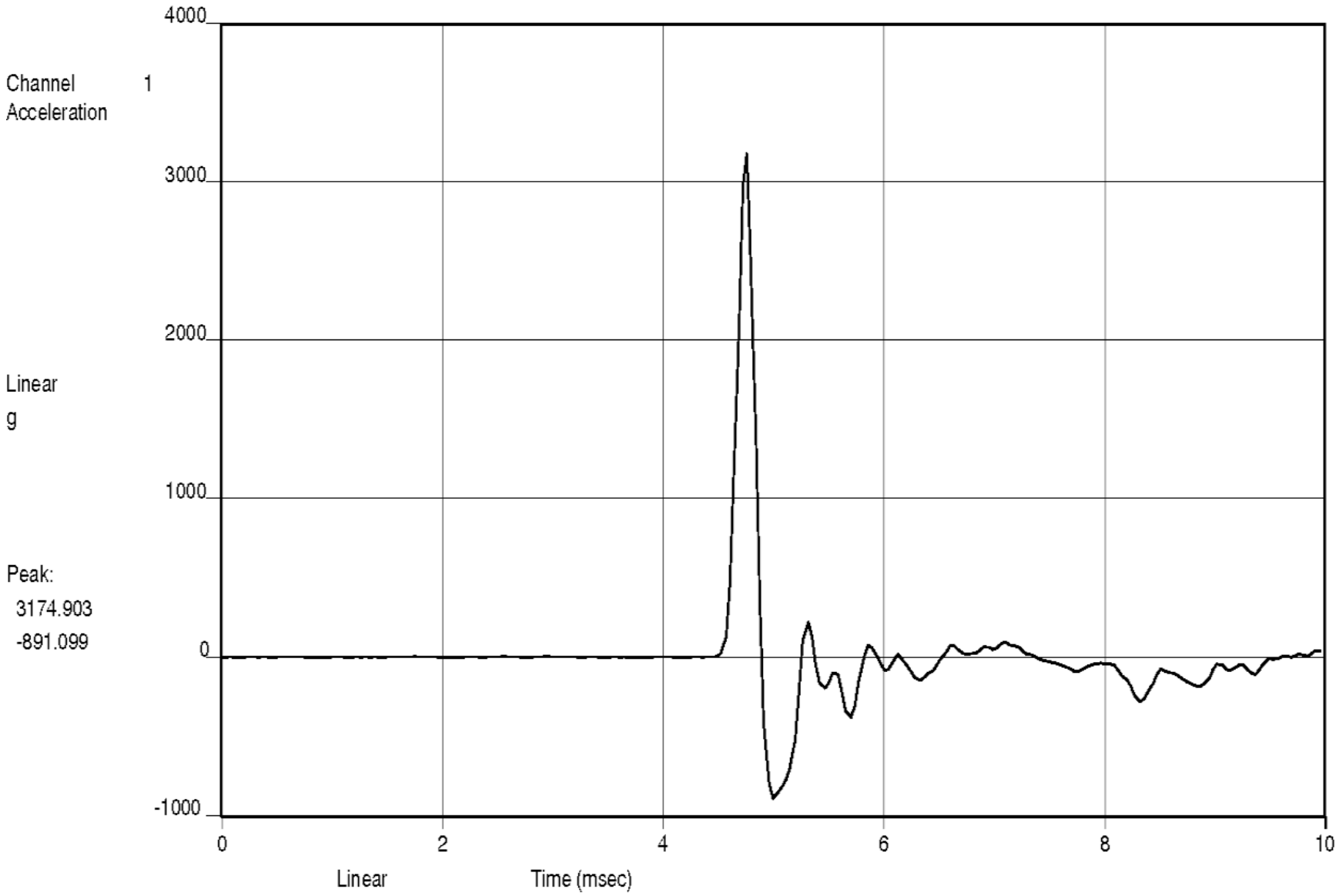


CONTROL

13:50:53.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (+) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (3 OF 5)

Data Review Name: DIGI-PAS_SHOCK.018

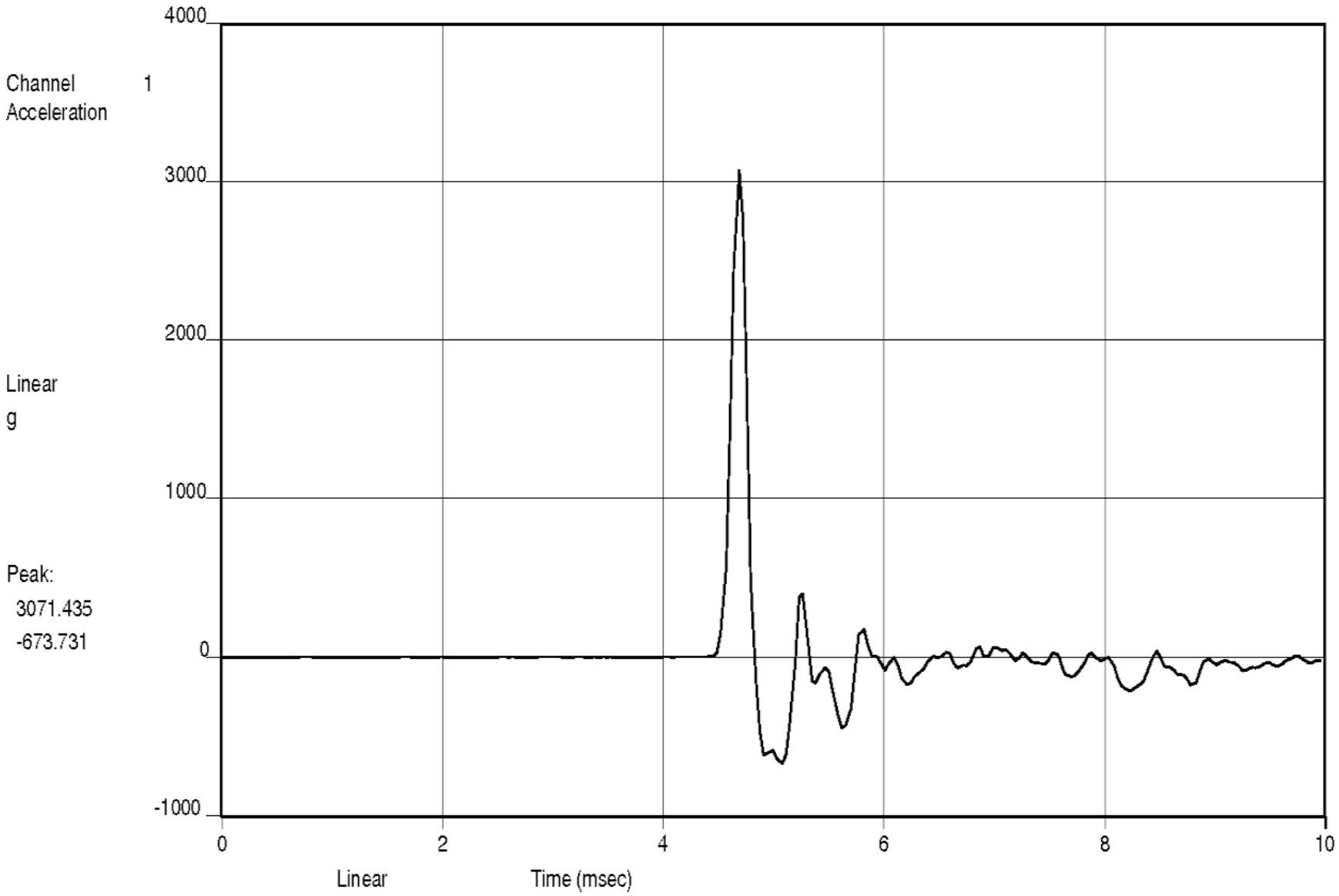


CONTROL

13:51:08.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (+) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (4 OF 5)

Data Review Name: DIGI-PAS_SHOCK.018

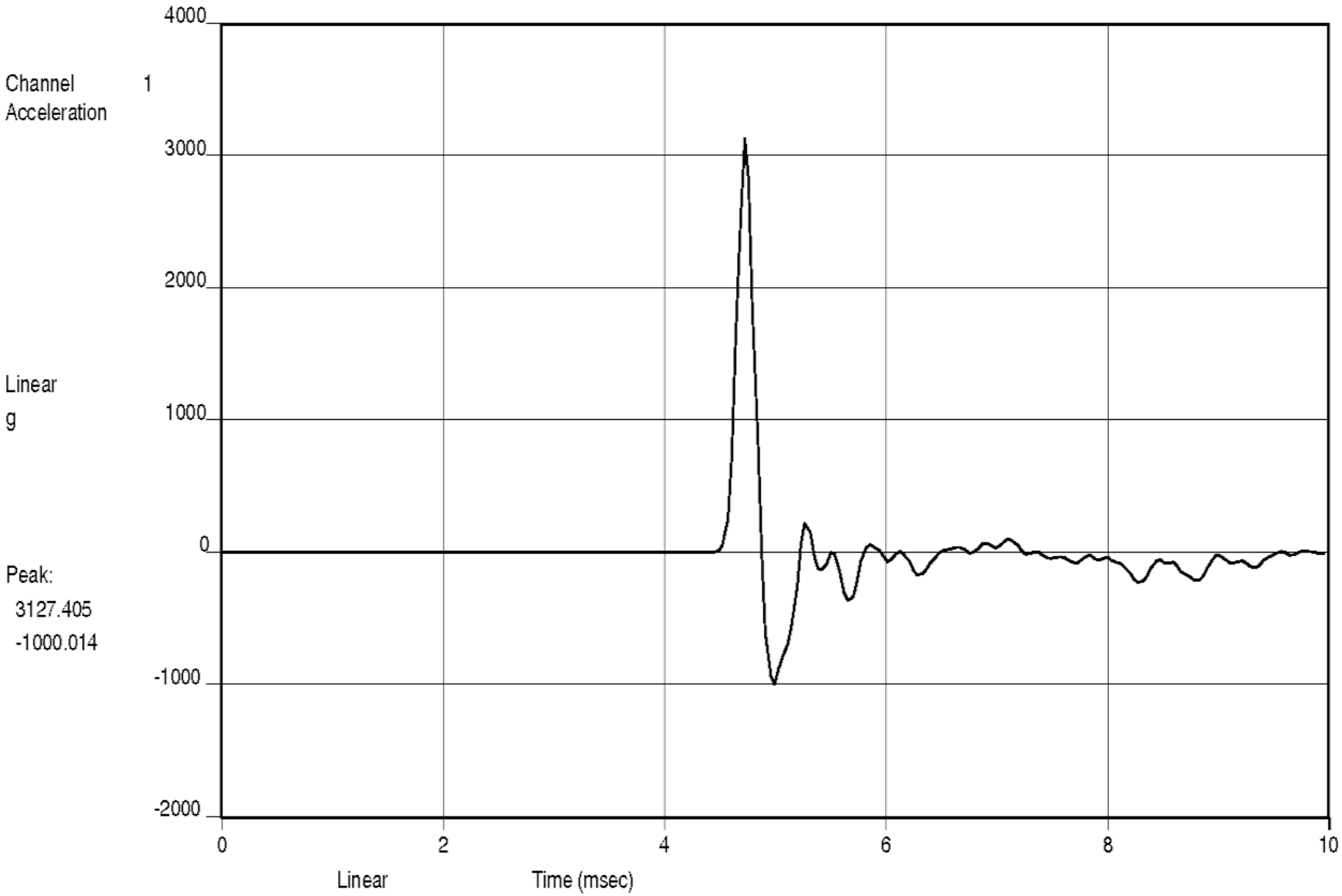


CONTROL

13:51:24.4
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (+) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (5 OF 5)

Data Review Name: DIGI-PAS_SHOCK.018

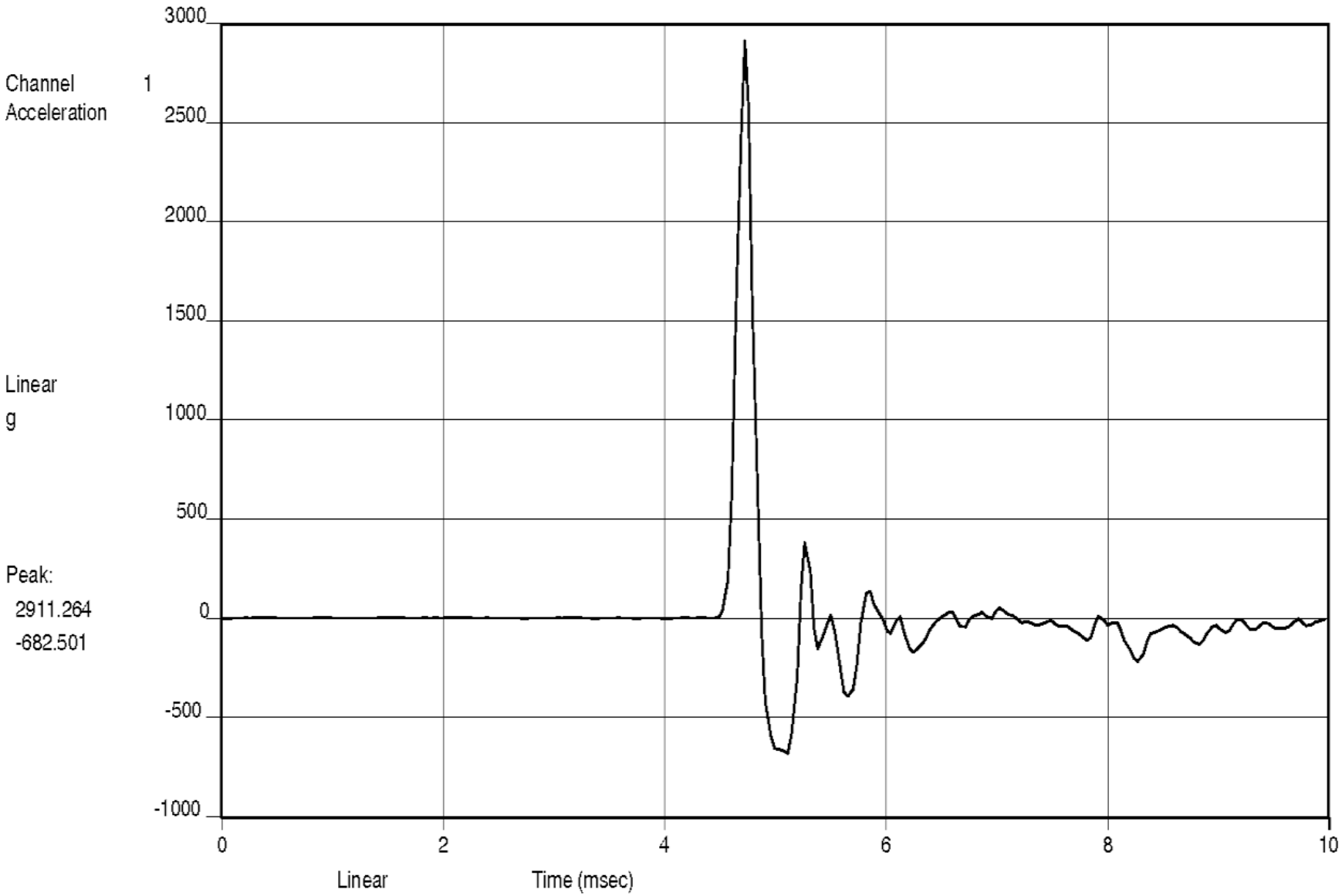


CONTROL

13:55:37.2
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (-) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (1 OF 5)

Capture Name: DIGI-PAS_SHOCK.019

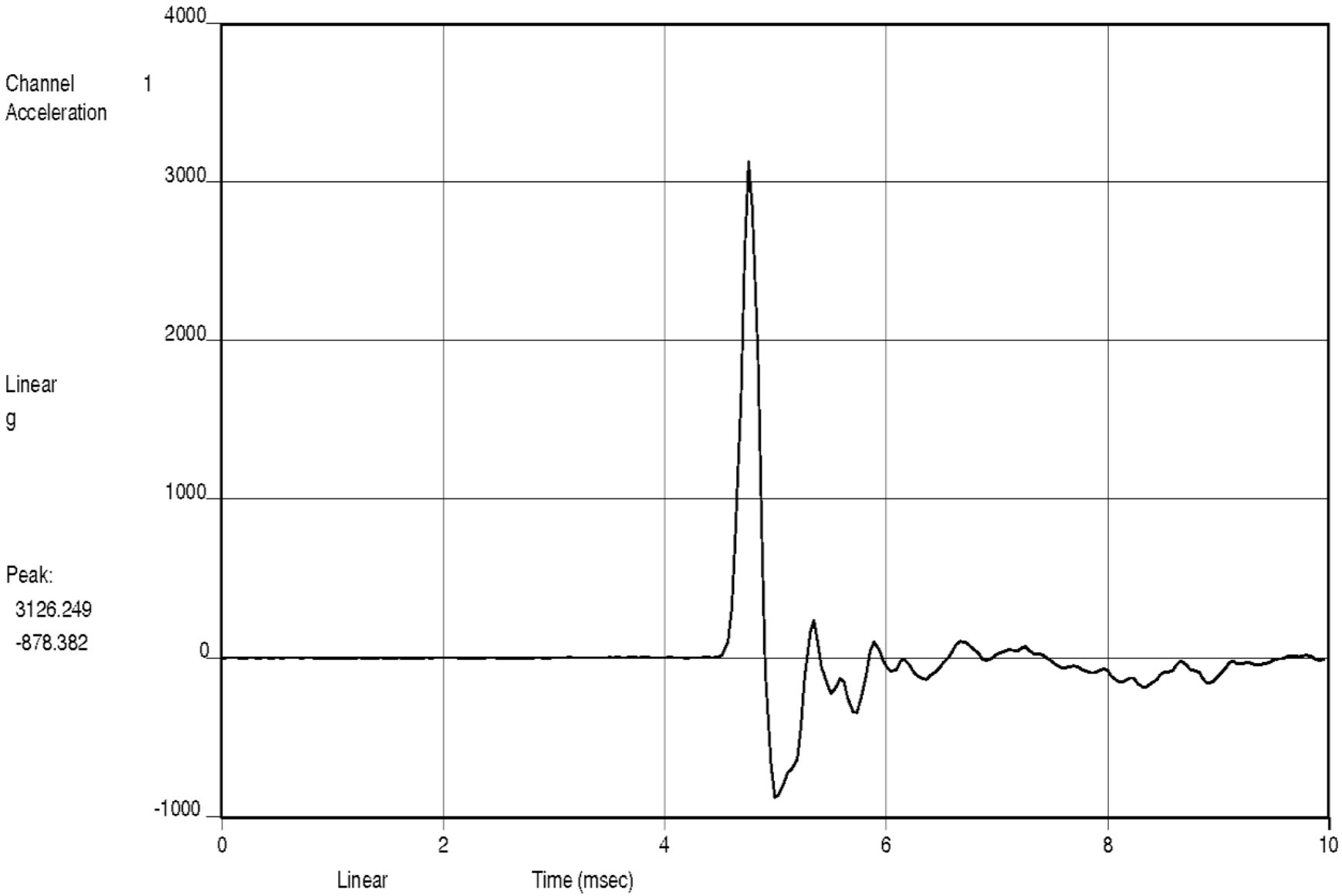


CONTROL

13:56:09.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (-) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.019

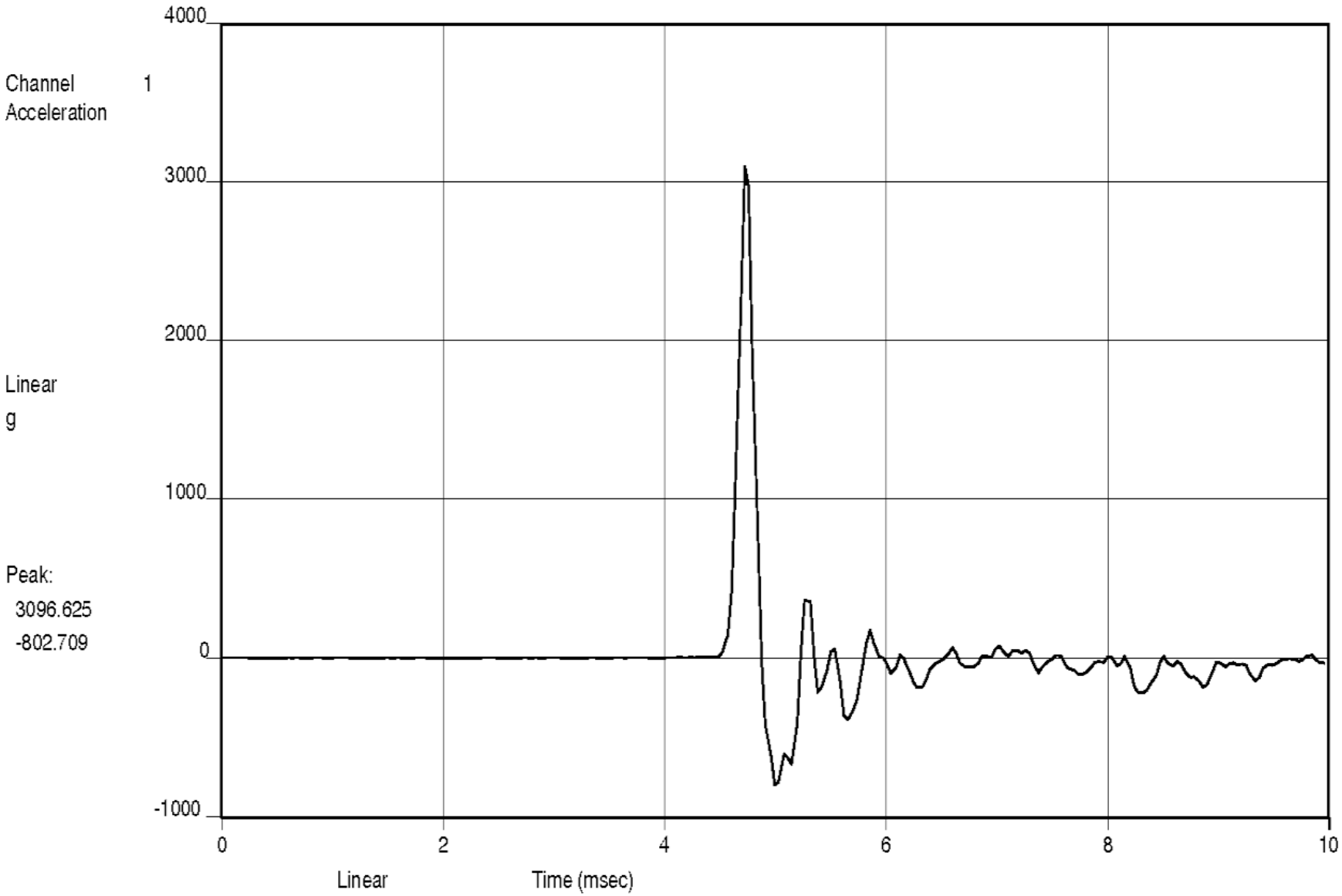


CONTROL

13:56:36.5
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (-) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.019

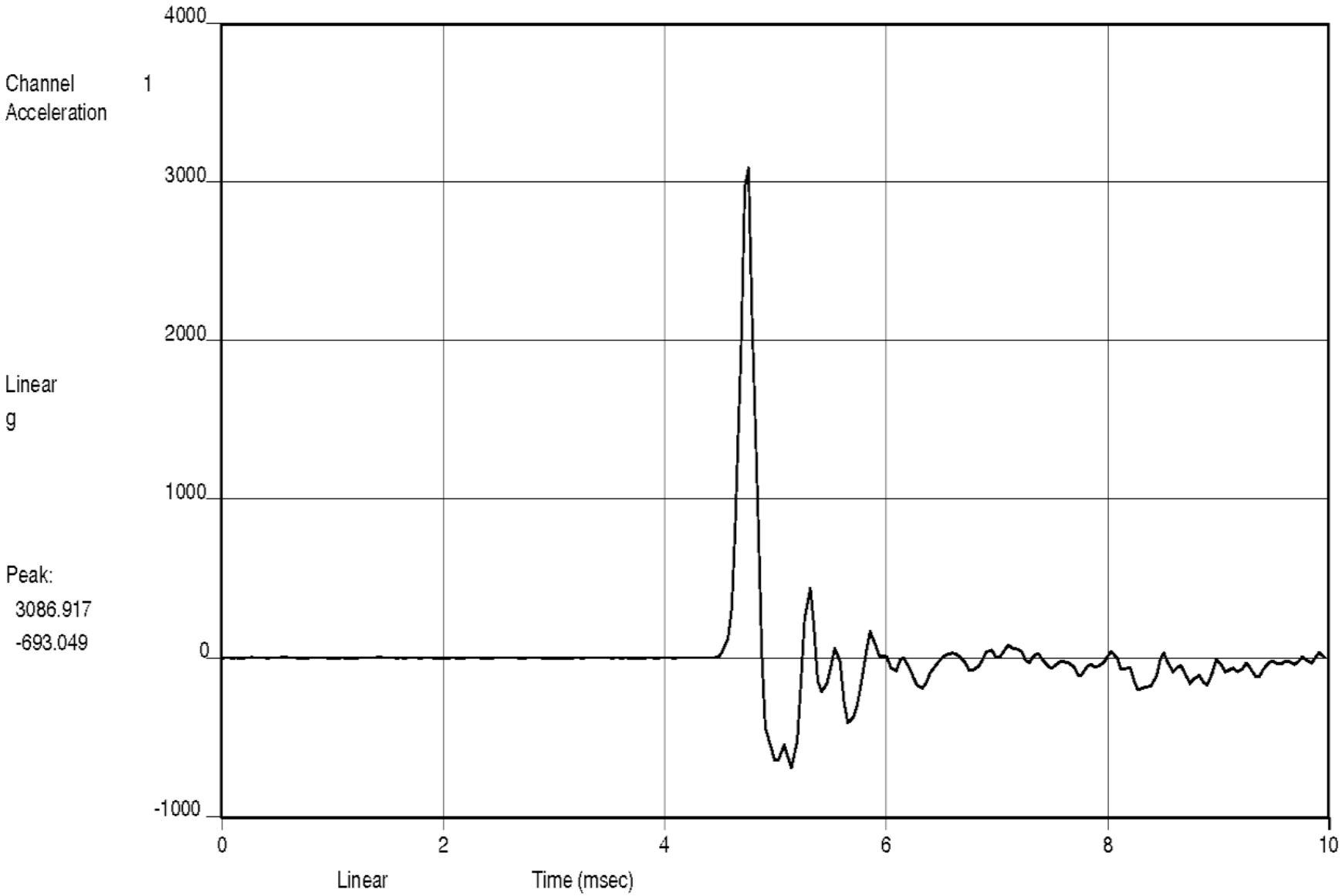


CONTROL

13:56:55.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (-) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.019



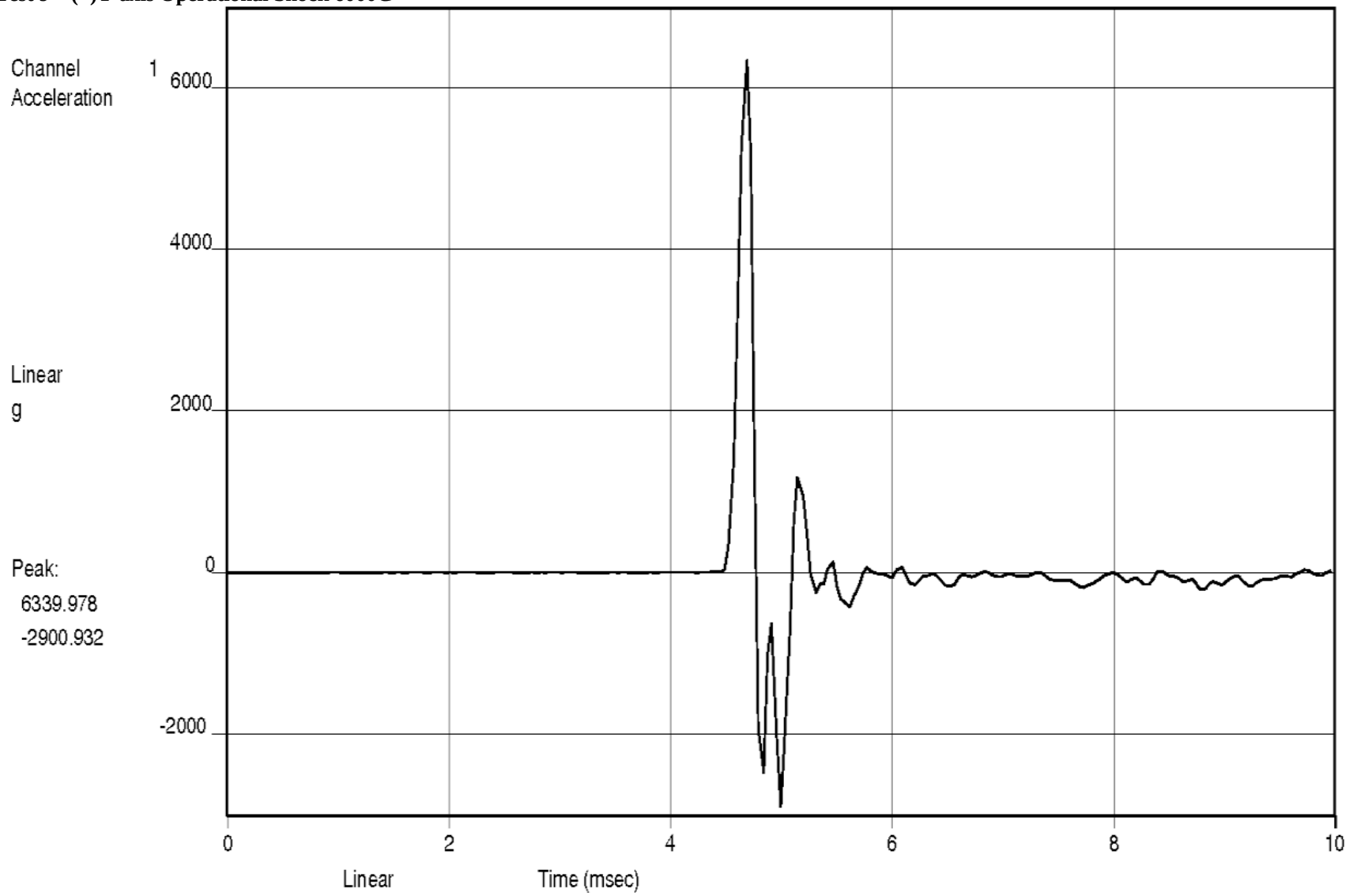
CONTROL

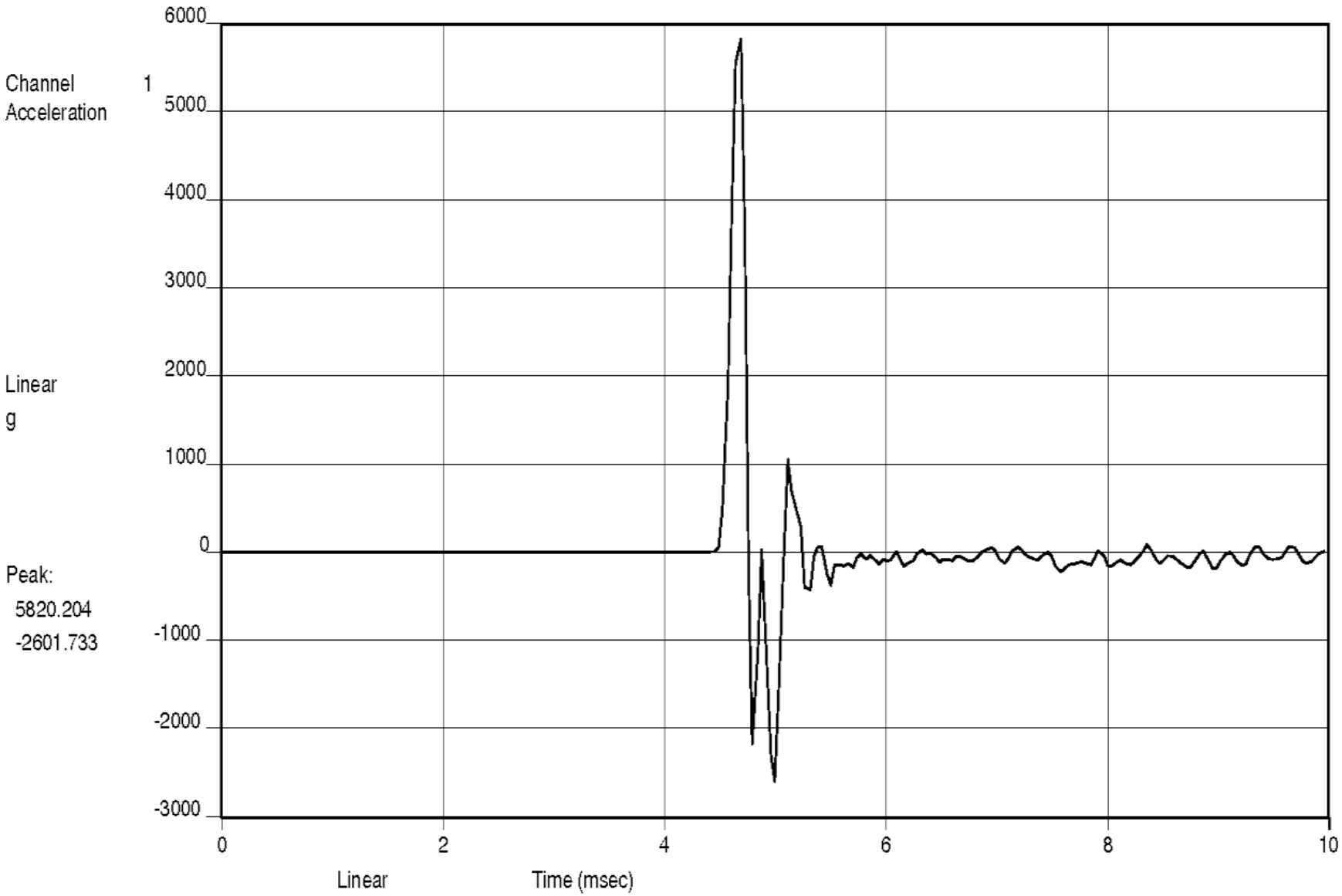
13:57:17.0
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#8 AXIS: (-) X OPERATIONAL SHOCK - 3000G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.019

Test 9 (+)Y-axis Operational Shock 6000G



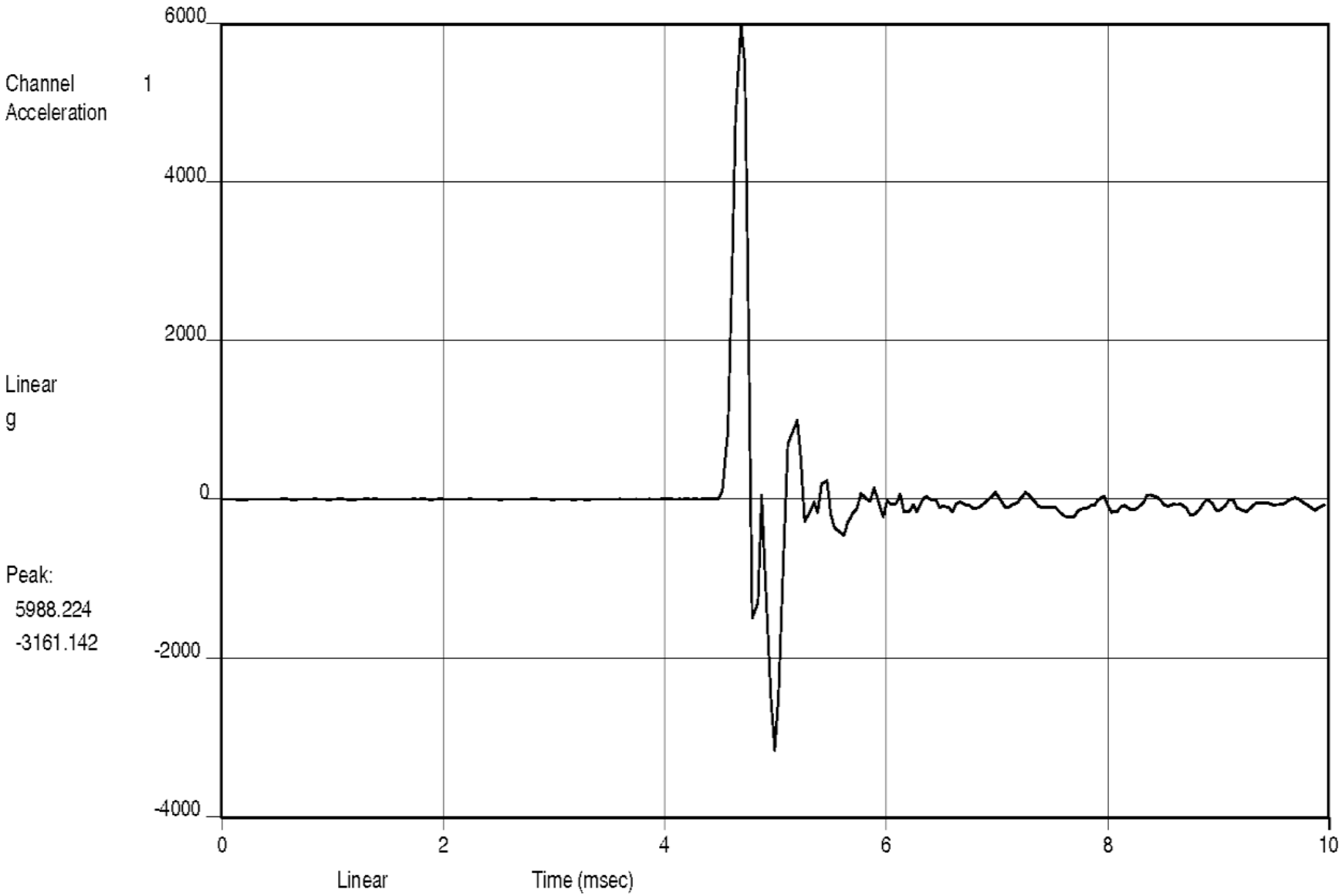


CONTROL

14:07:45.4
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#9 AXIS: (+) Y OPERATIONAL SHOCK - 6000G, 0.5MS, HS (2 OF 5)

Capture Name: DIGI-PAS_SHOCK.020

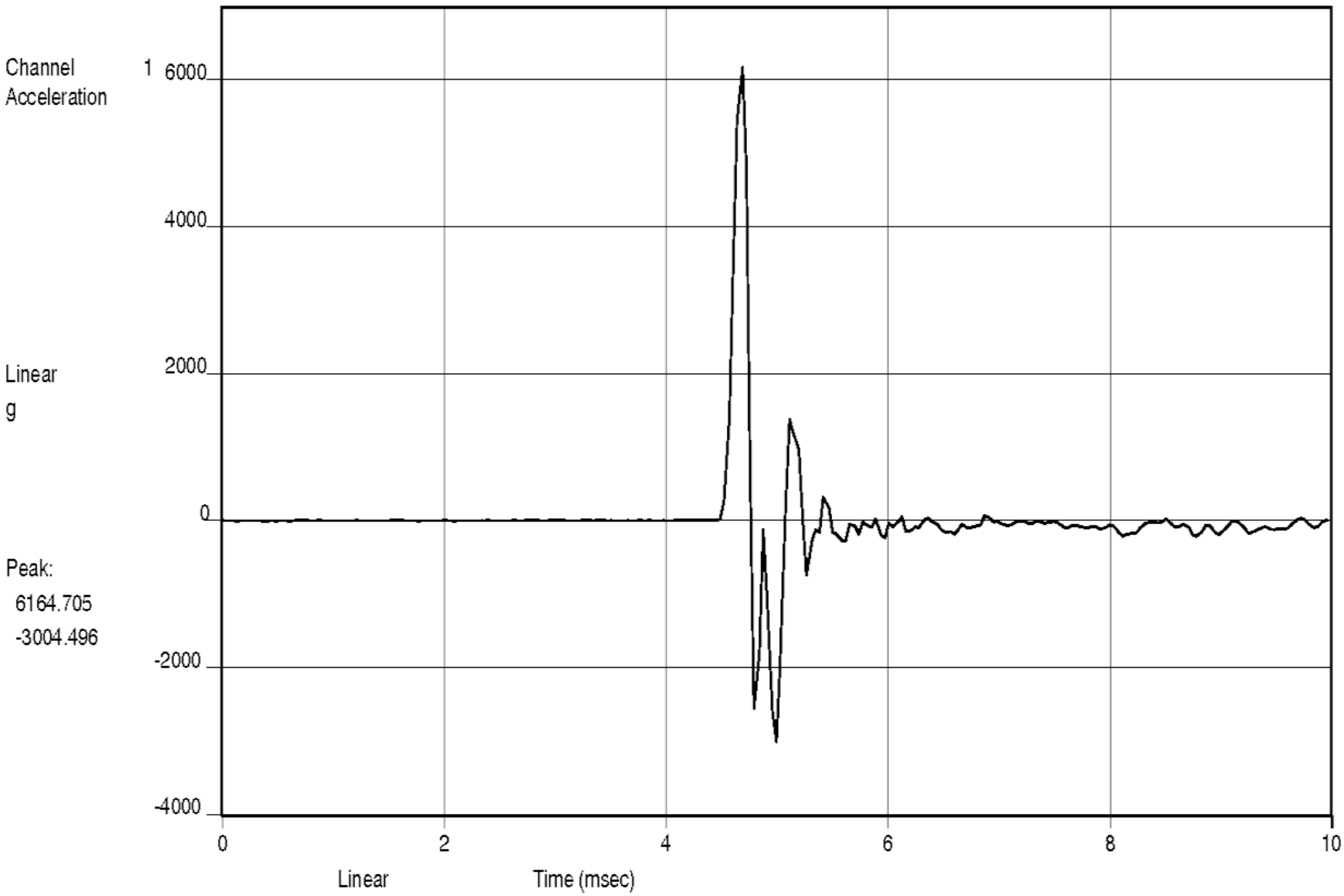


CONTROL

14:08:24.8
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#9 AXIS: (+) Y OPERATIONAL SHOCK - 6000G, 0.5MS, HS (3 OF 5)

Capture Name: DIGI-PAS_SHOCK.020

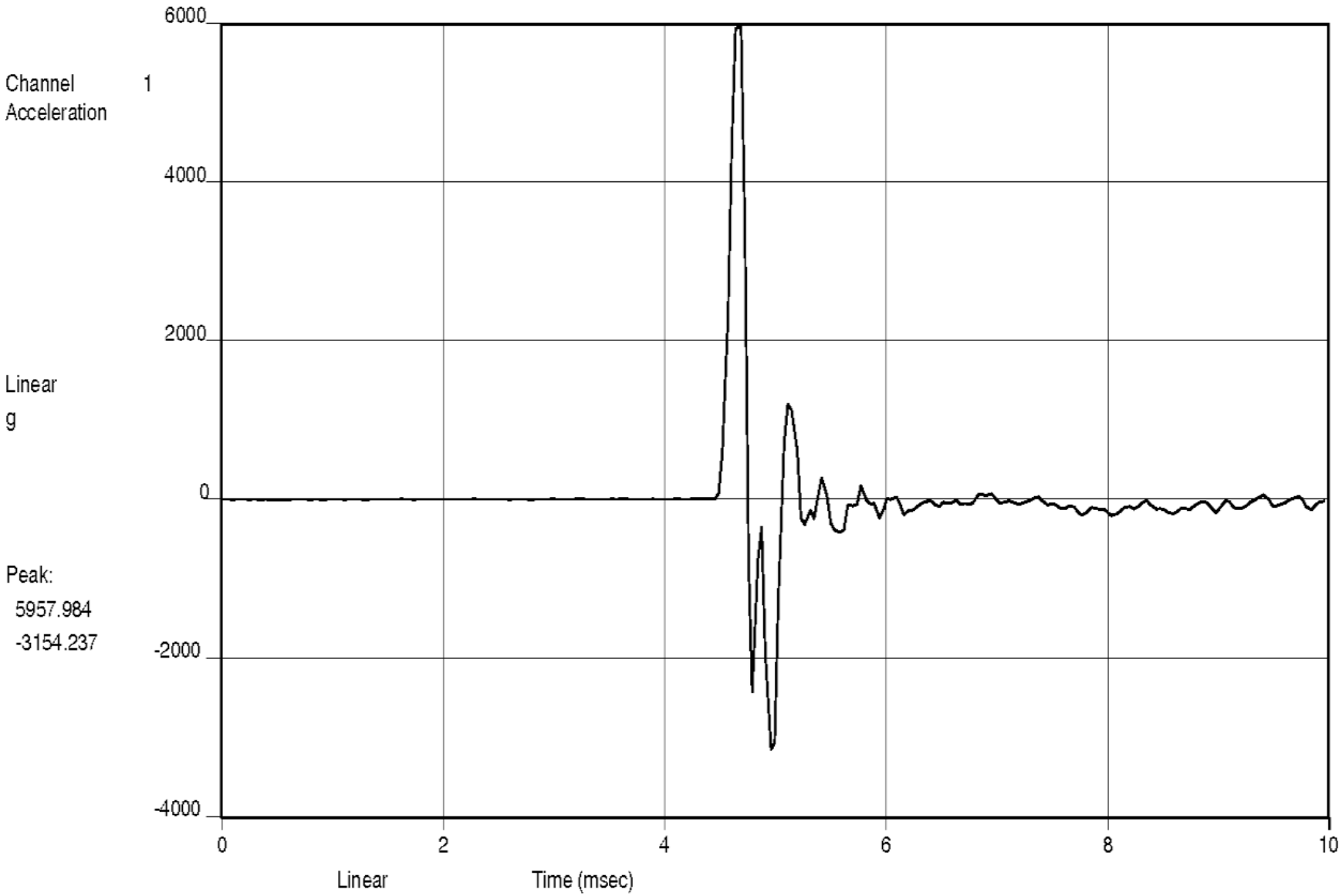


CONTROL

14:09:06.9
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#9 AXIS: (+) Y OPERATIONAL SHOCK - 6000G, 0.5MS, HS (4 OF 5)

Capture Name: DIGI-PAS_SHOCK.020



CONTROL

14:09:25.1
Thu Sep 10 2015

PR035989 DIGI-PAS (1) DWL-5000XY SENSOR MODULE S/N 13B50030
TEST#9 AXIS: (+) Y OPERATIONAL SHOCK - 6000G, 0.5MS, HS (5 OF 5)

Capture Name: DIGI-PAS_SHOCK.020

End of Report