

SHOCK TEST REPORT

Company : CREMAX TECH. CO., LTD.

Address : 2F., No. 18, Ln. 609, Sec. 5, Chongxin Rd., Sanchong Dist.,
New Taipei City 24159, Taiwan (R.O.C.)

Model Name : MB491SKL-B

Date Received : JUN 20, 2016

Date Tested : JUN 20, 2016 ~ JUN 23, 2016

TESTING LABORATORY IS ACCREDITED BY:

IEC/IECQ 17025 certificate of independent test laboratory approval

Certificate No. : 1.72.0031

ISO 17025 accredited in respect of laboratory is approved by TAF

Certificate No. : L3146-151112

ista certified laboratory (ID: ST-9389)

WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

	Name	Signature	Date
Test Engineer	Curtis Chen	<i>Curtis Chen.</i>	<i>Aug 17, 2016</i>
Manager	Injel Chen	<i>Injel Chen</i>	<i>Aug 17, 2016</i>

NOTE :

1. This report will be invalid if reproduced in part or altered in any way.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used otherwise.
3. This report is ONLY valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.



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1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

Manufacturer : CREMAX TECH. CO., LTD.

Model name : MB491SKL-B

Sample quantity : 1 unit

1.2 UNIT OPERATING CONDITION

During operating testing, unit power is on and functioning.

2. SHOCK TEST

2.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date
SHINKEN G-0250L	SG-4795	JUN 02, 2016

2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 % (RH)

2.3 REFERENCE DOCUMENT

The test is based on customer specification

2.4 TEST CONDITION

Unit is operating.

Pulse shape : Final-peak saw-tooth waveform

Impact acceleration : 40 g

Pulse duration : 11 ms

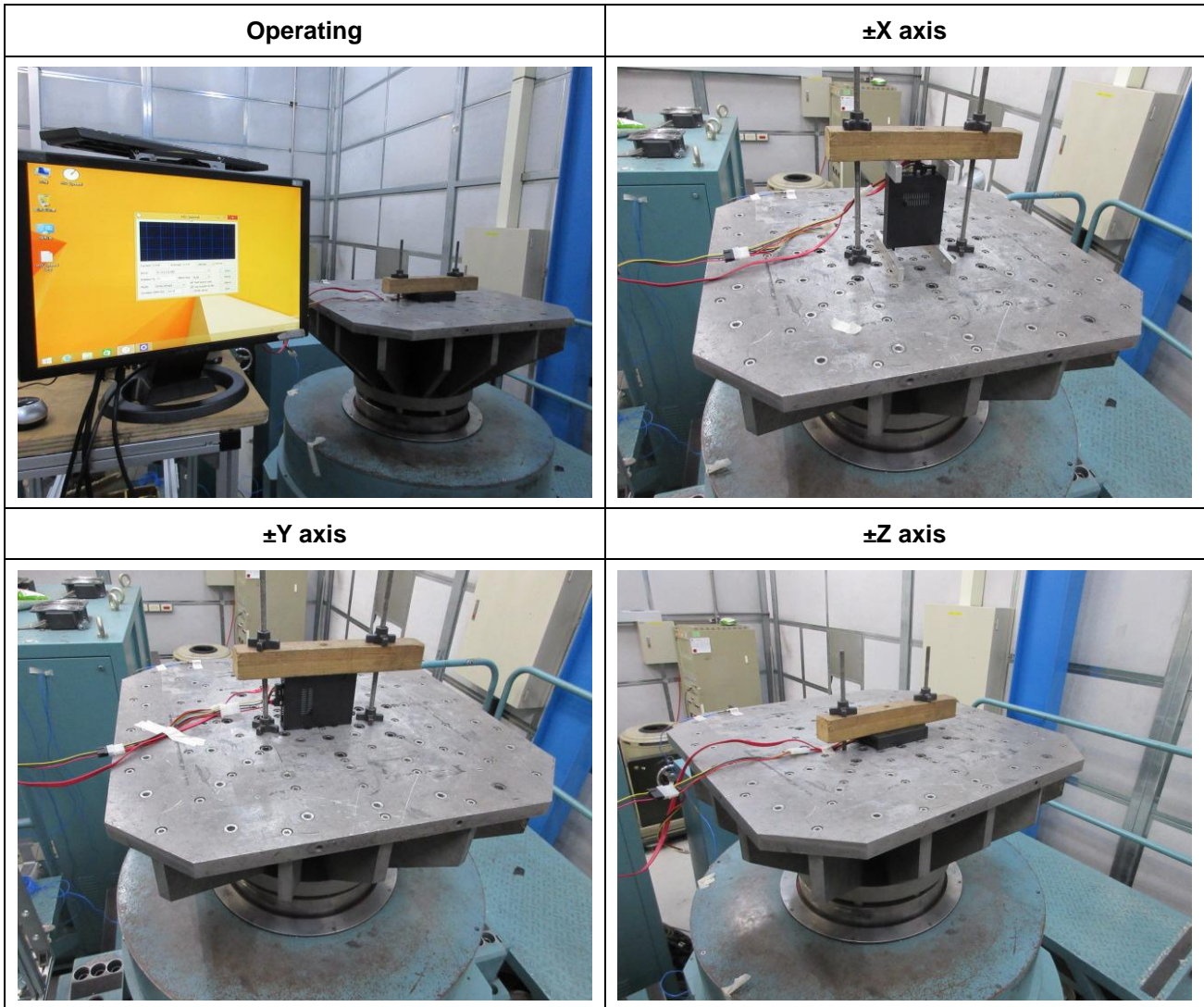
Number of shocks : 18 shocks (3 shocks for each ±axis)

Orientation : ±X, ±Y and ±Z axes (Rotating each ±axis on vertical vibration table)

2.5 SUMMARY OF TEST

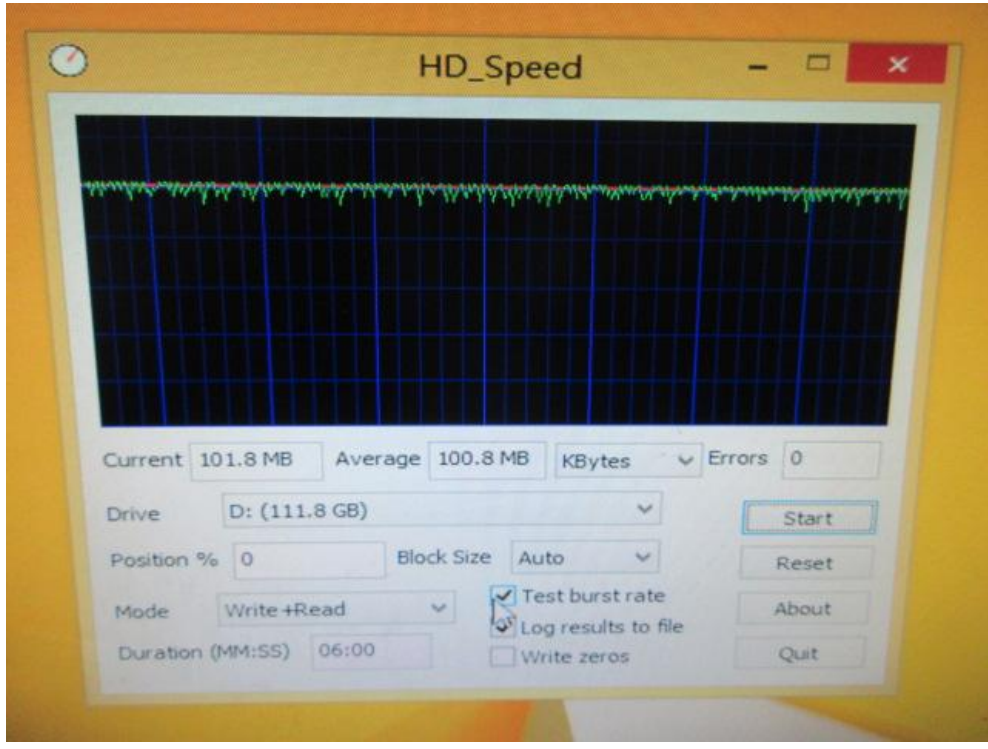
After testing, visual inspection showed no physical defect or functional degradation of unit.

2.6 PHOTO OF TEST



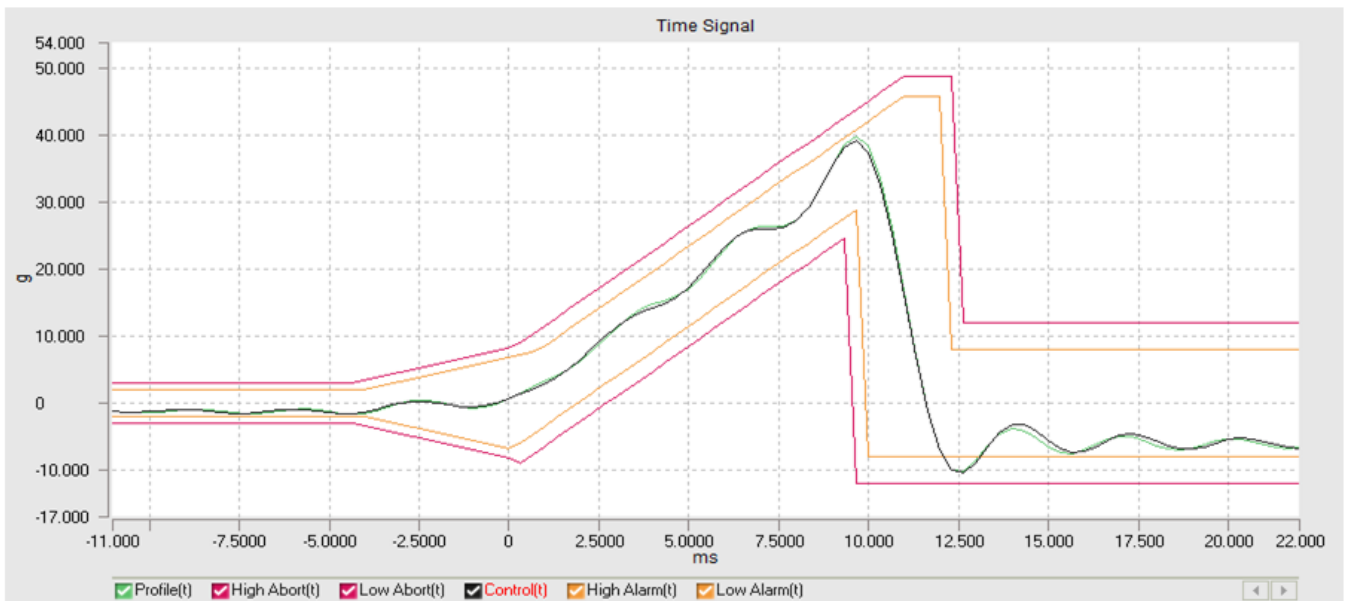
After testing

Function was normal



2.7 GRAPH OF TEST

【+X axis】



Shock Type: Final Peak Saw Tooth

Mag: 40.00 g

Pulse Duration: 11 ms

Current level: 100 %

Demand peak: 40.000 g

Control peak: 39.302 g

Block Size: 2048

Frame Time: 0.6827 s

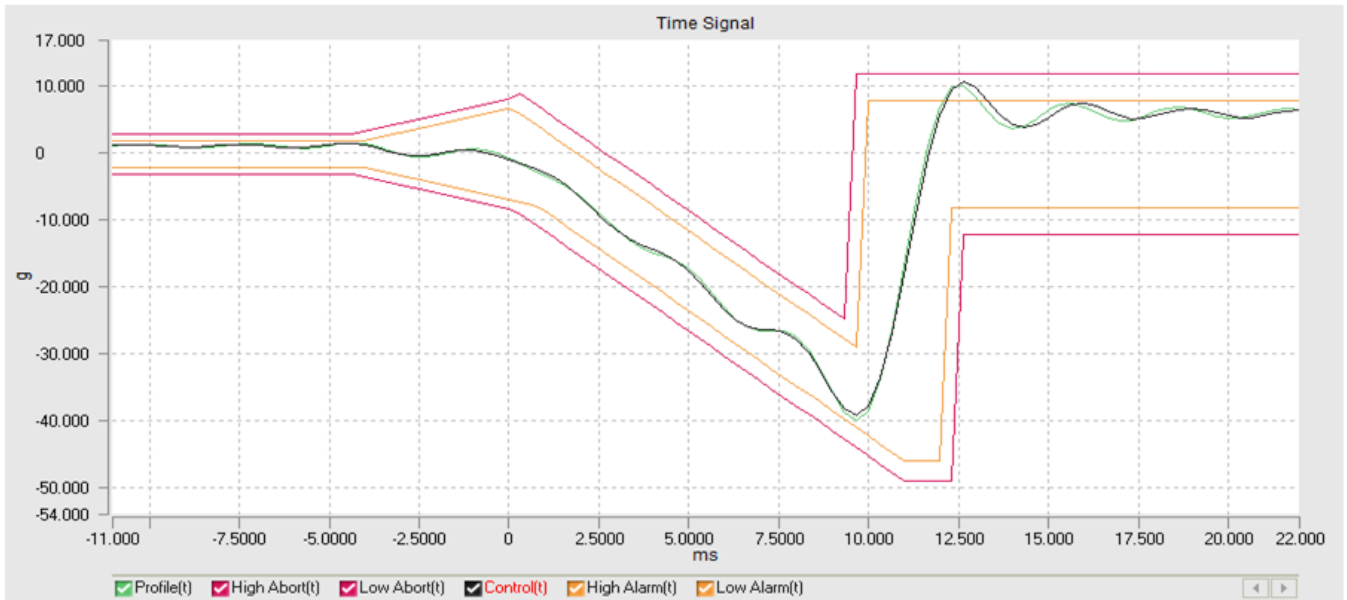
dT: 0.000333333 s

Current Pulses: 3

Output pulses: 17

Remain pulses: 6

[-X axis]



Shock Type: Final Peak Saw Tooth

Mag: 40.00 g

Pulse Duration: 11 ms

Current level: 100 %

Demand peak: 40.000 g

Control peak: 39.199 g

Block Size: 2048

Frame Time: 0.6827 s

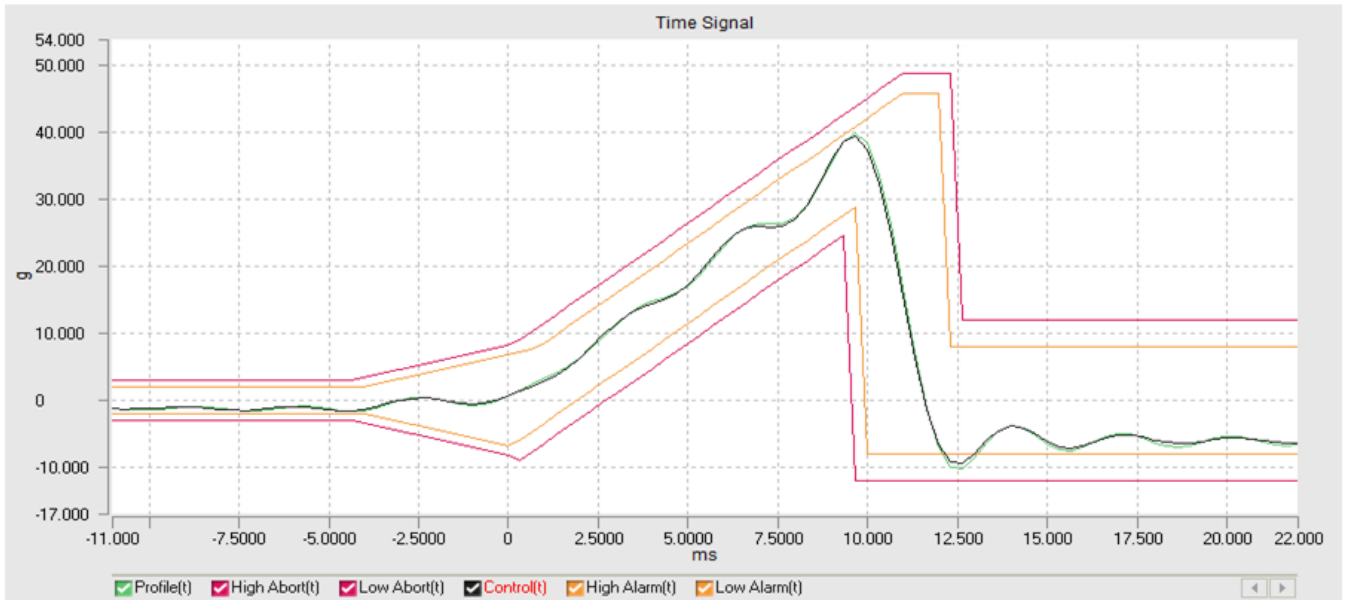
dT: 0.000333333 s

Current Pulses: 3

Output pulses: 23

Remain pulses: 0

【+Y axis】



Shock Type: Final Peak Saw Tooth

Mag: 40.00 g

Pulse Duration: 11 ms

Current level: 100 %

Demand peak: 40.000 g

Control peak: 39.623 g

Block Size: 2048

Frame Time: 0.6827 s

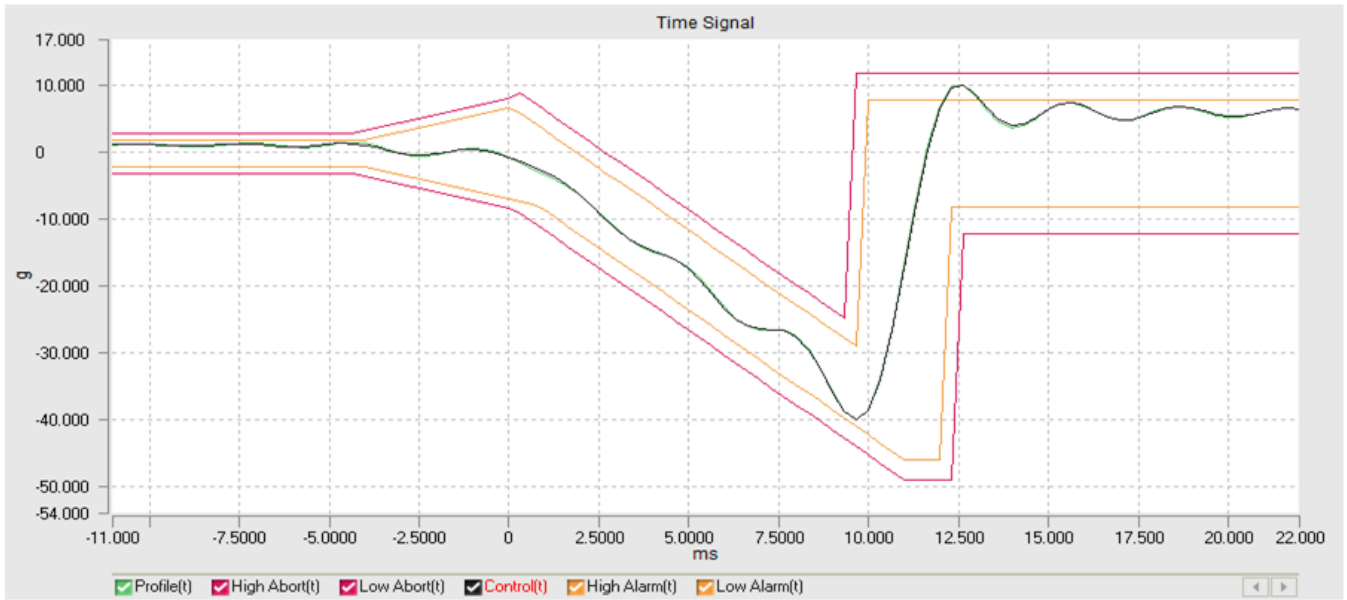
dT: 0.000333333 s

Current Pulses: 3

Output pulses: 17

Remain pulses: 6

[-Y axis]



Shock Type: Final Peak Saw Tooth

Mag: 40.00 g

Pulse Duration: 11 ms

Current level: 100 %

Demand peak: 40.000 g

Control peak: 39.982 g

Block Size: 2048

Frame Time: 0.6827 s

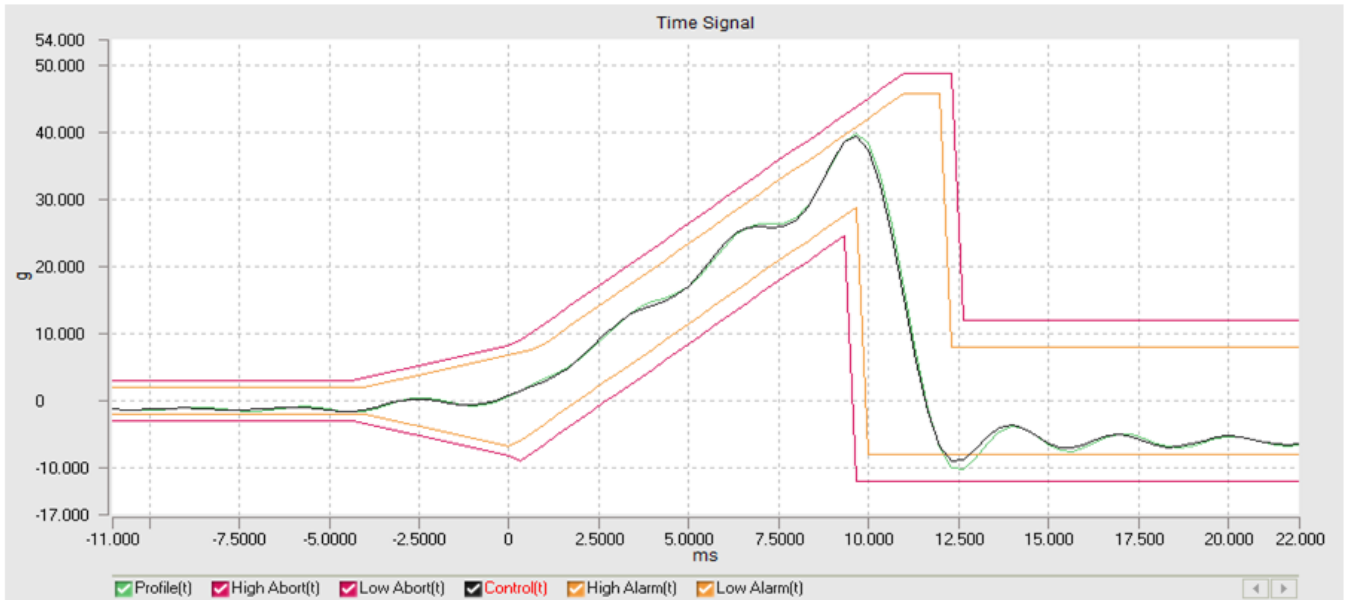
dT: 0.000333333 s

Current Pulses: 3

Output pulses: 23

Remain pulses: 0

【+Z axis】



Shock Type: Final Peak Saw Tooth

Mag: 40.00 g

Pulse Duration: 11 ms

Current level: 100 %

Demand peak: 40.000 g

Control peak: 39.657 g

Block Size: 2048

Frame Time: 0.6827 s

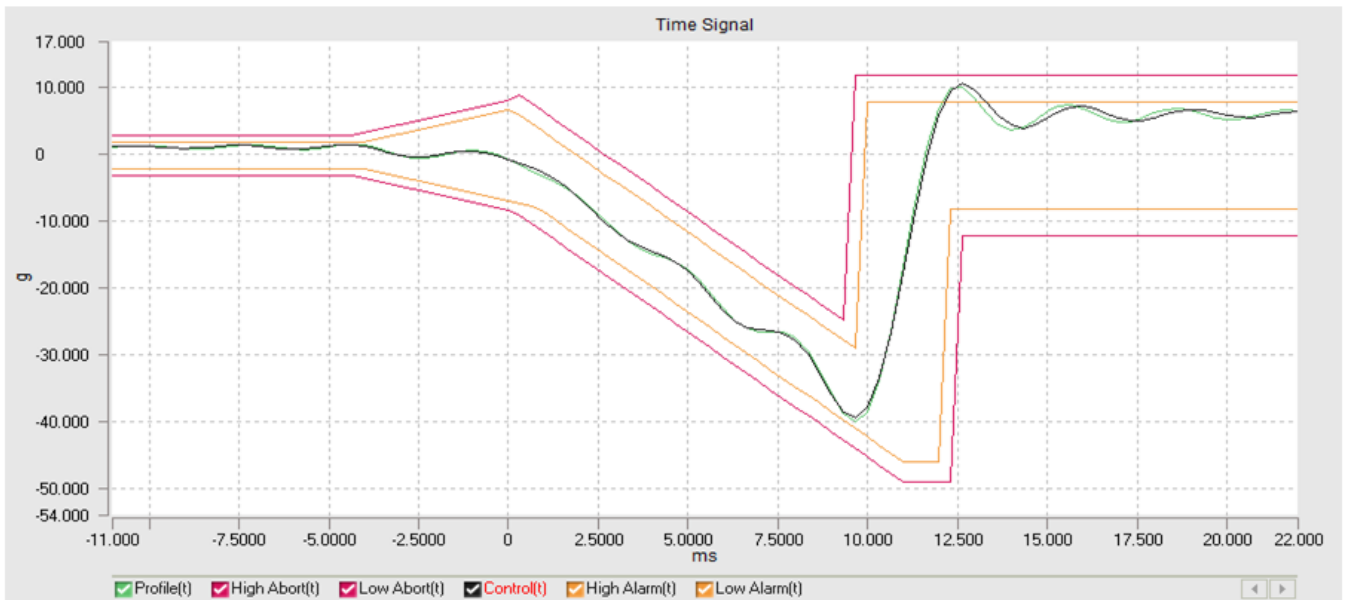
dT: 0.000333333 s

Current Pulses: 3

Output pulses: 17

Remain pulses: 6

[-Z axis]



Shock Type: Final Peak Saw Tooth	Mag: 40.00 g	Pulse Duration: 11 ms
Current level: 100 %	Demand peak: 40.000 g	Control peak: 39.423 g
Block Size: 2048	Frame Time: 0.6827 s	dT: 0.000333333 s
Current Pulses: 3	Output pulses: 23	Remain pulses: 0

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