

# TEST REPORT



CTK Co., Ltd.  
The Prime Leader of Global Regulatory Certification

## CTK Co., Ltd.

(Ho-dong) 113, Yejik-ro, Cheoin-gu, Yongin-shi  
Gyeonggi-do KOREA, REPUBLIC OF  
Tel: +82-31-339-9970  
Fax: +82-31-624-9501

Report No.:  
CTK-2020-04213  
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### 1. Applicant

Name : Hanwha Techwin Co., Ltd.  
Address : 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA  
Date of Receipt : 2020-10-05

### 2. Manufacturer

Name : Hanwha Techwin Co., Ltd.

### 3. Use of Report :

Quality control

### 4. Test sample / Model :

NETWORK CAMERA / XNP-9250R

### 5. Date(s) of test :

2020-10-22

### 6. Test Standard (Method) used :

Specifications presented by the sponsor  
(reference NEMA TS 2.2.9)



### 7. Testing Environment :

Temperature: (25.0 ± 10.0) °C, Humidity: (50 ± 25) %R.H.,  
Air Pressure: (96.0 ± 10.0) kPa

### 8. Results :

Reference test results


The results shown in this test report refer only to the sample(s) tested unless otherwise stated.  
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Approval	Tested by:	Technical Manager:
	WonHyeon Choi  (Signature)	YenHwang Jung  (Signature)

2020-10-26


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## Model description

Basic Model .....	XNP-9250R
Series model .....	XNP-9250, XNP-8250R, XNP-8250
Model differences .....	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), differences in electronic parts inside the product.

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## 1. Shock

### 1.1. Test equipment

Test equipment	Model	manufacturer	Serial
Vibration testing system	GT1000M	FAMTECH	D1803072-1
Acceleration sensor	8703A250M5	KISTLER	5241941

### 1.2. Test condition

- Acceleration : 10 G
- Test axis :  $\pm X, \pm Y, \pm Z$
- Number of impacts : 1 per direction (total 6)

### 1.3. Check Item

- No mechanical damage.

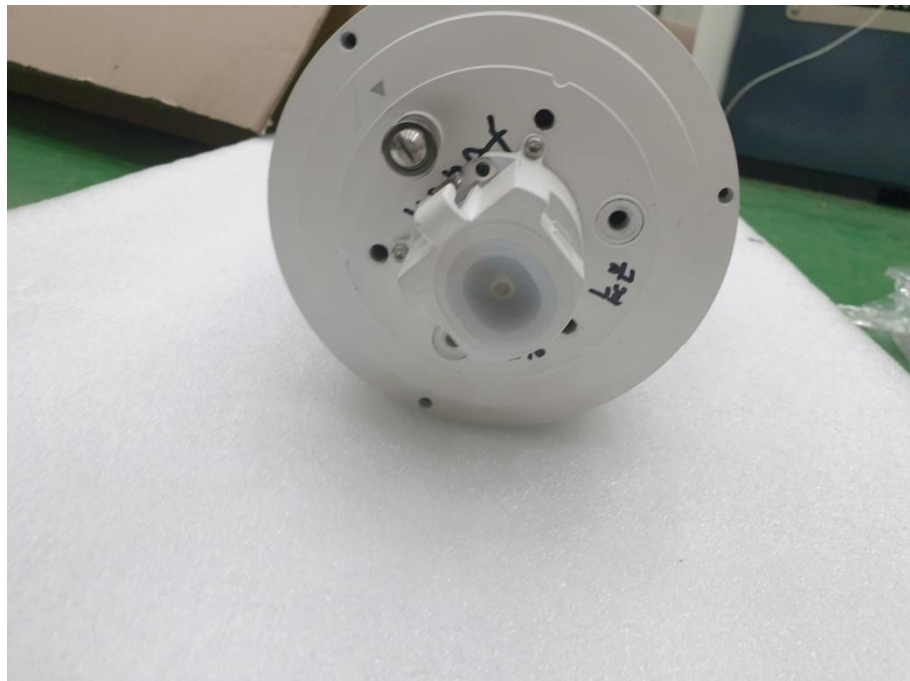
### 1.4. Test Result

- Pass

## 2. APPENDIX

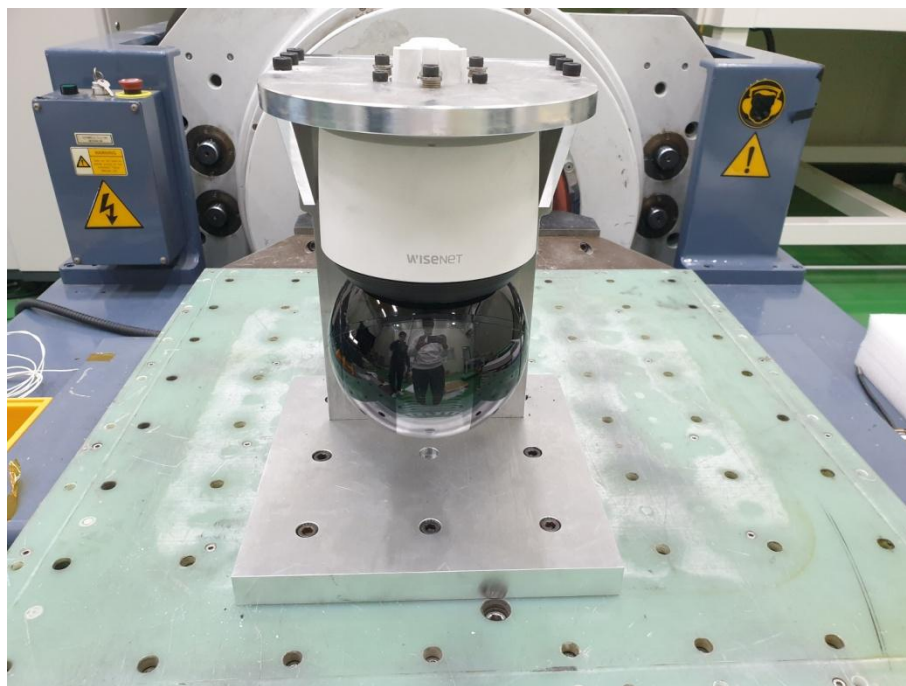
### 2.1. Products



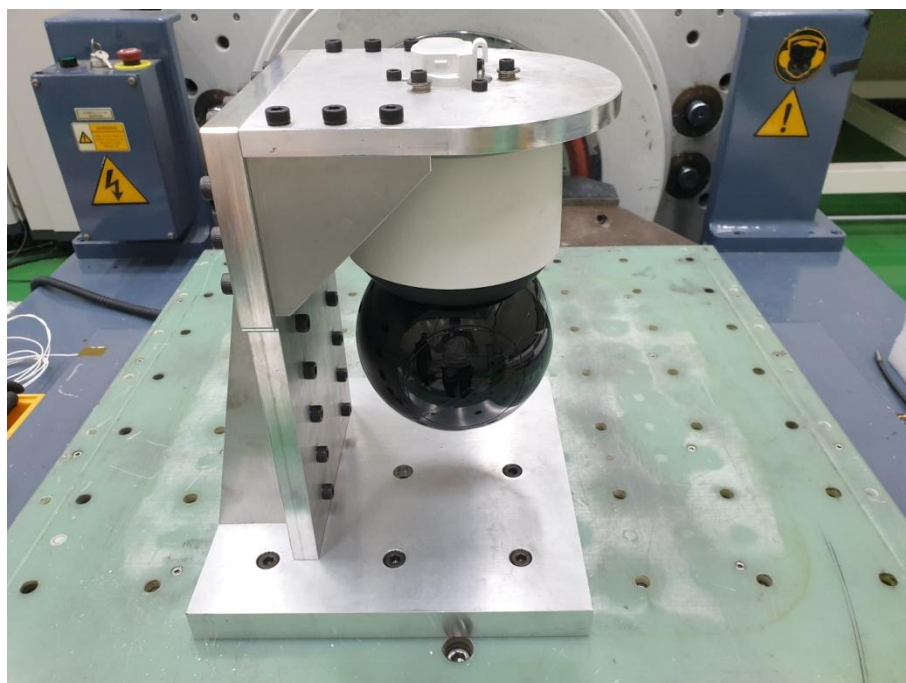


## 2.2. Test photos

[X axis]



[Y axis]



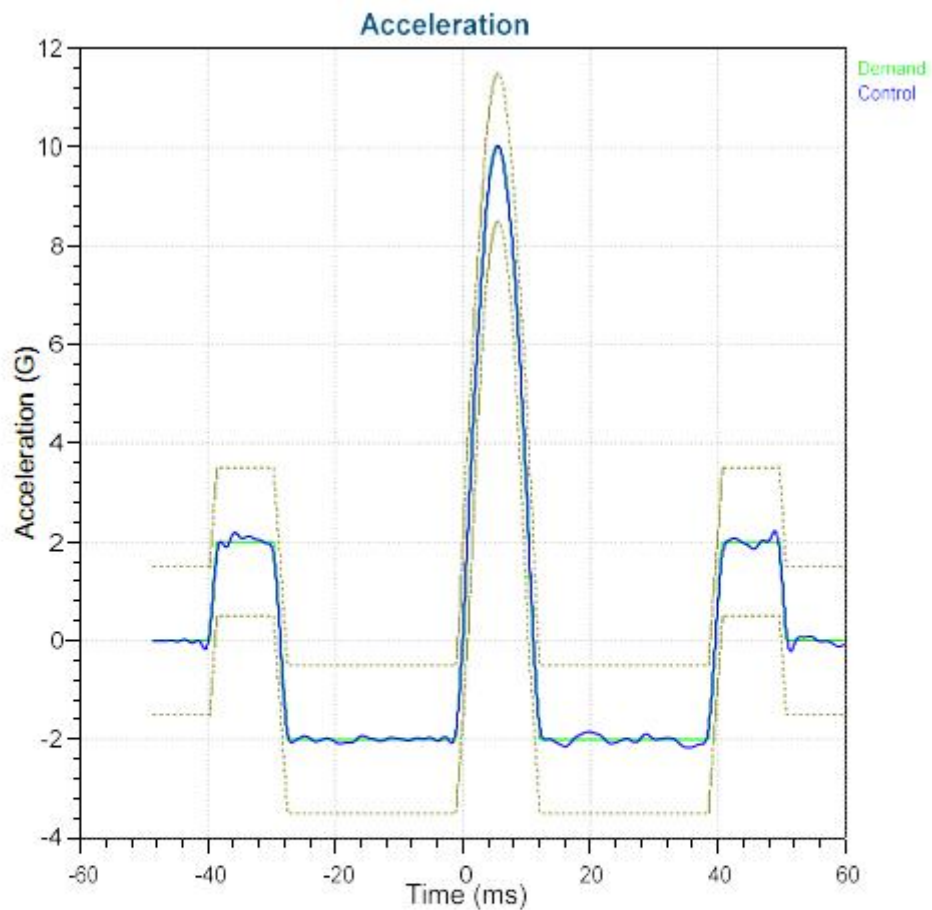


[Z axis]



## 2.3. Data

[Shock]



10 22, 2020 19:52:0 Level 1) 100 %

Output: 0.6767 Volts per 10g\_11ms

Demand: 10 G

Control: 10.04 G

Pulse: 1 of 1

Running

[X+ axis]



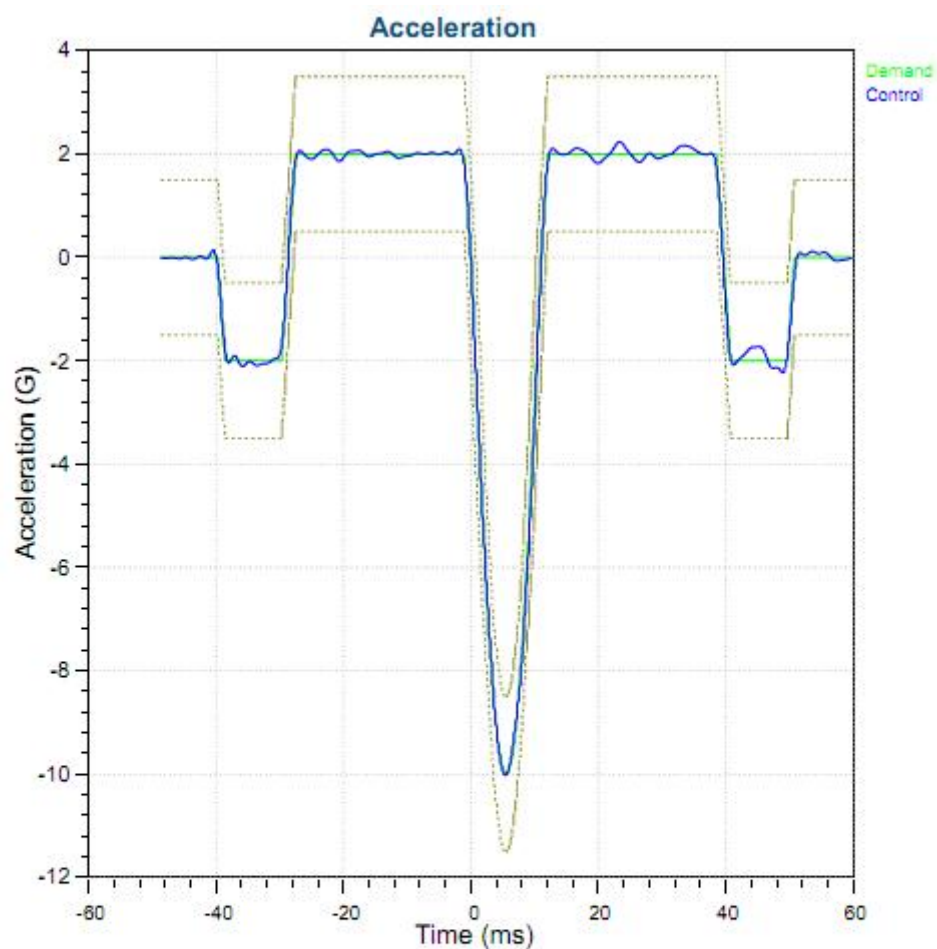


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10 22, 2020 19:52:0 Level 2) 100 %

Output: 0.6731 Volts per: 10g\_11ms

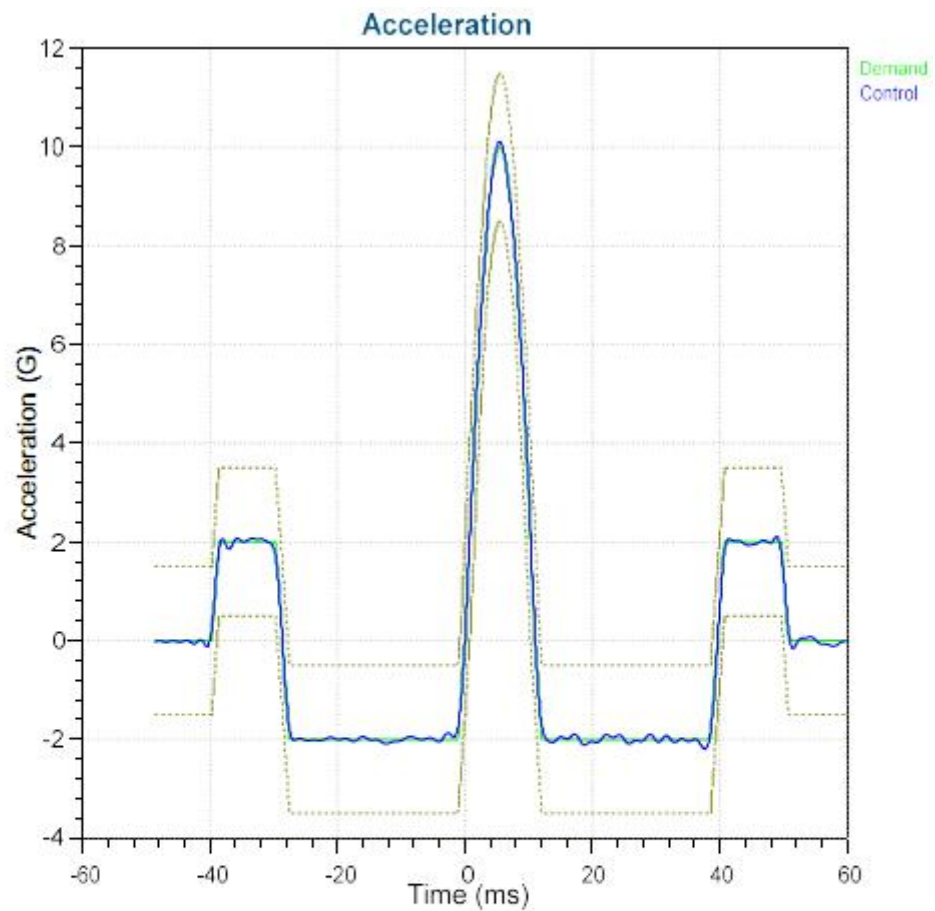
Demand: 10 C

Control: 10.02 C

Pulse: 1 of 1

End of Test

[X-axis]



10 22, 2020 19:46:4 Level 1) 100 %

Output: 0.666 Volts per: 10g\_11ms

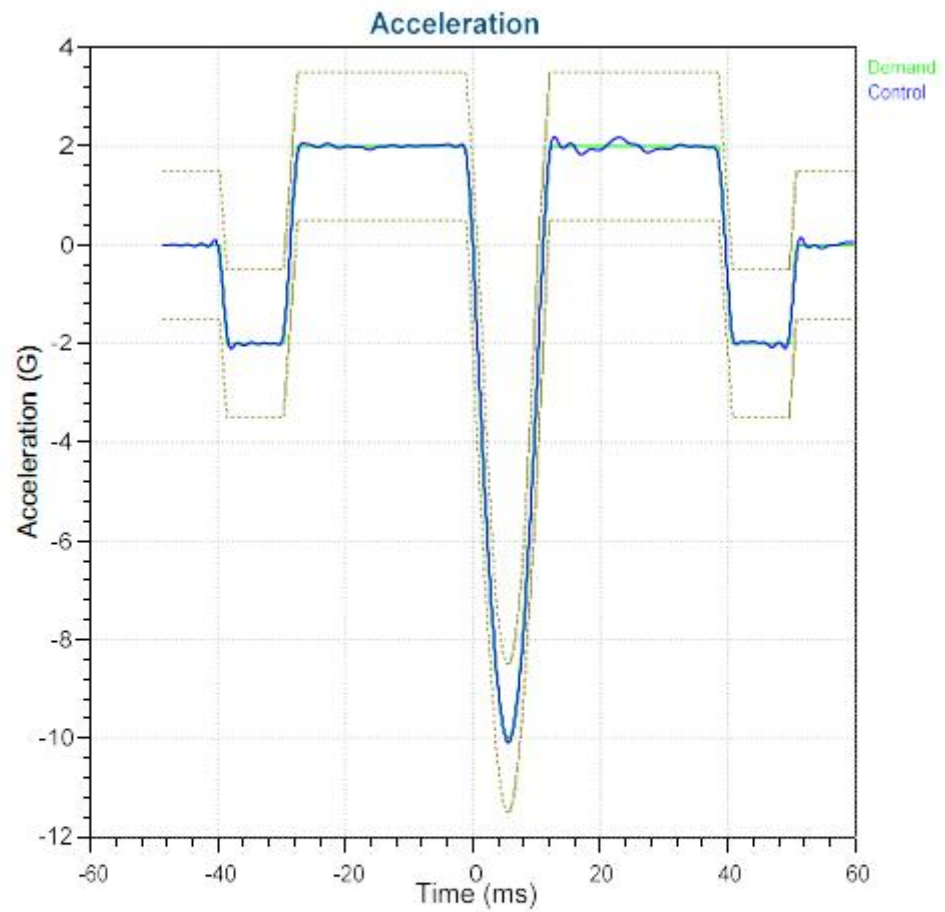
Demand: 10 C

Control: 10.12 C

Pulse: 1 of 1

Running

[Y+ axis]



10 22, 2020 20:35:0 Level 2) 100 %

Output: 0.6672 Volts per 10g\_11ms

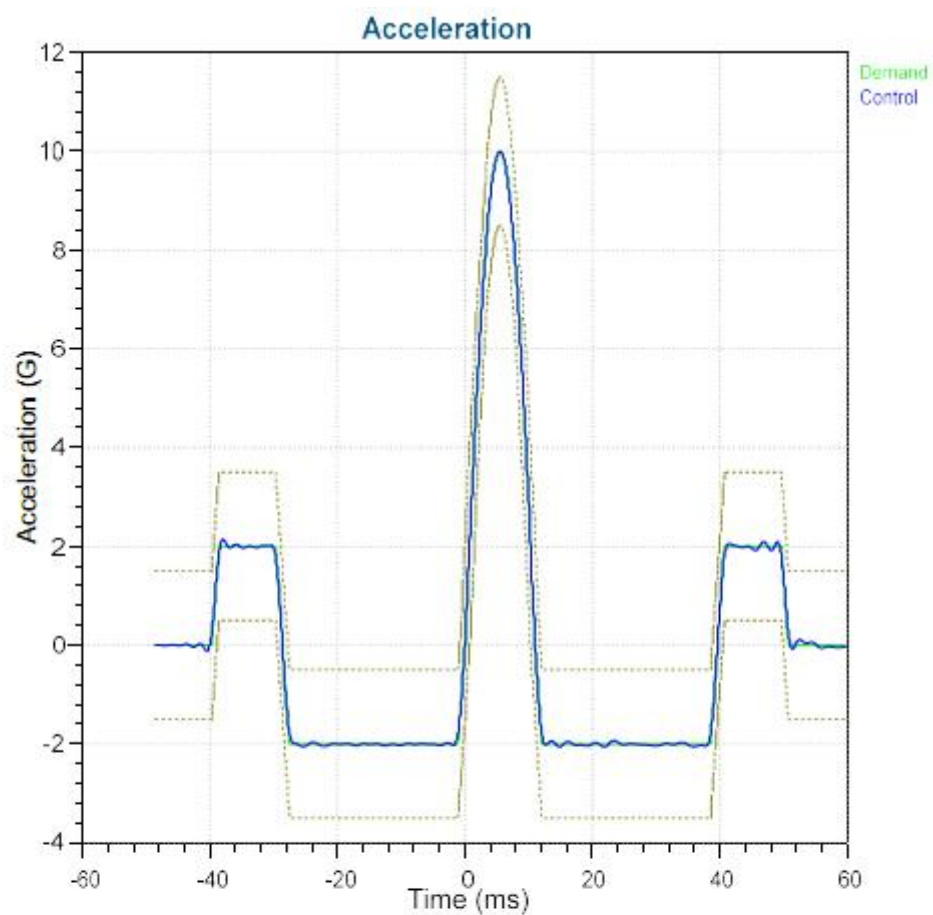
Demand: 10 G

Control: 10.09 G

Pulse: 1 of 1

End of Test

**[Y- axis]**



10 22, 2020 20:35:0 Level 1) 100 %

Output: 0.6673 Volts pe: 10g\_11ms

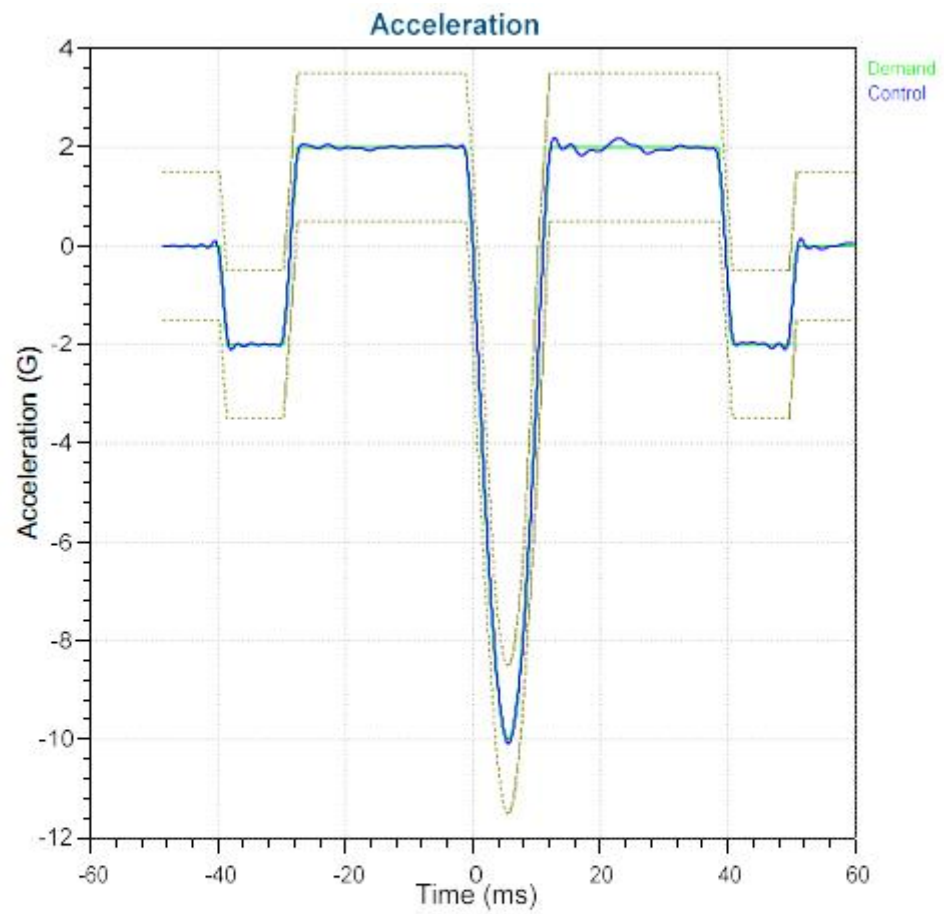
Demand: 10 C

Control: 9.998 (

Pulse: 1 of 1

Running

**[Z+ axis]**



10 22, 2020 20:35:0 Level 2) 100 %

Output: 0.6672 Volts per: 10g\_11ms

Demand: 10 C

Control: 10.09 C

Pulse: 1 of 1

End of Test

**[Z- axis]**