

TEST REPORT



CTK Co., Ltd.

5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si,
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
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REPORT No.:
CTK-2023-02183
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1. Applicant

◦ Name : Hanwha Vision Co., Ltd
◦ Address : 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 13488 KOREA
◦ Date of Receipt : 2023-09-01

2. Manufacturer

◦ Name : Hanwha Vision Co., Ltd

3. Use of Report

: Quality control

4. Test sample / Model

: NETWORK CAMERA / XNP-C6403R

5. Date(s) of test

: 2023-10-11

6. Location of Test

: ☒ Permanent Testing Lab ☐ On Site Testing

Address: (144, Dongbu-ro, Cheoin-gu, Yongin-si,
Gyeonggi-do, Republic of Korea)

7. Test Standard (Method) used : Specifications presented by the sponsor
(reference NEMA TS 2.2.9)

8. Testing Environment : Temperature: (20.0 ± 1.0) °C,
Humidity: (50.0 ± 1.0) %R.H.

9. Test Results : Refer to each test items

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This Test Report cannot be reproduced, except in full.

Affirmation	Tested by	Technical Manager
	Min-Gi Mun (Signature)	SooChan Bae (Signature)

Remark, This report is not related to KOLAS accreditation and relevant regulation.

2023-10-12

CTK Co., Ltd.



1. Shock

1.1. Test equipment

Test equipment	Model	manufacturer	Serial
VIBRATION TESTING SYSTEM	GT1000M	FAMTECH	D1803072
Vibration VIEW	2017.1.2 Unicode 64-bit	Vibration Research Corp.	9526607B
VIBRATION TESTING SYSTEM	GT1000M	FAMTECH	D1803072-1
Vibration VIEW	2017.1.2 Unicode 64-bit	Vibration Research Corp.	955826DB
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

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Manufacturer's name

Name and address of factory (ies)	1) HANWHA TECHWIN SECURITY VIETNAM CO.,LTD Lot O-2, Que Vo Industrial Zone extended area, Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam 2) D-TECH CO.,LTD. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)
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Model description

Basic Model:	XNP-C6403R
Series model:	XNP-C6403
Model differences:	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), differences in electronic parts inside the product.

2. APPENDIX


2.1. Product Photographs

< Photo 1 > Product External view



< Photo 2 > Product External view



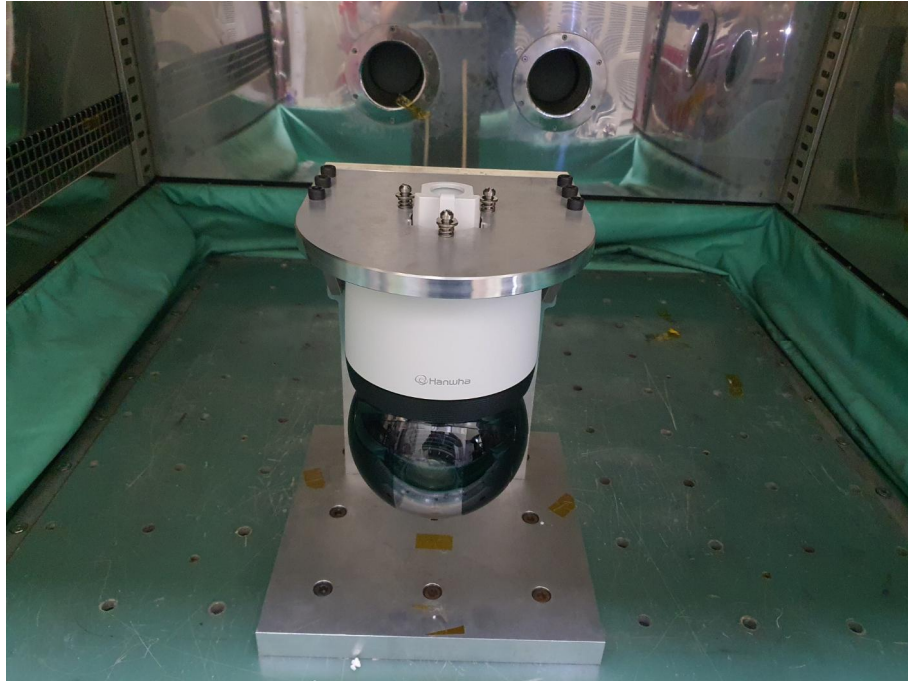
 <p>CTK Co., Ltd. The Prime Leader of Global Regulatory Certification</p>	<p>CTK Co., Ltd. 5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea Tel: +82-31-339-9970 Fax: +82-31-624-9501</p>	<p>REPORT No.: CTK-2023-02183 Page (5) / (13) pages</p>	
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< Photo 3 > Product label

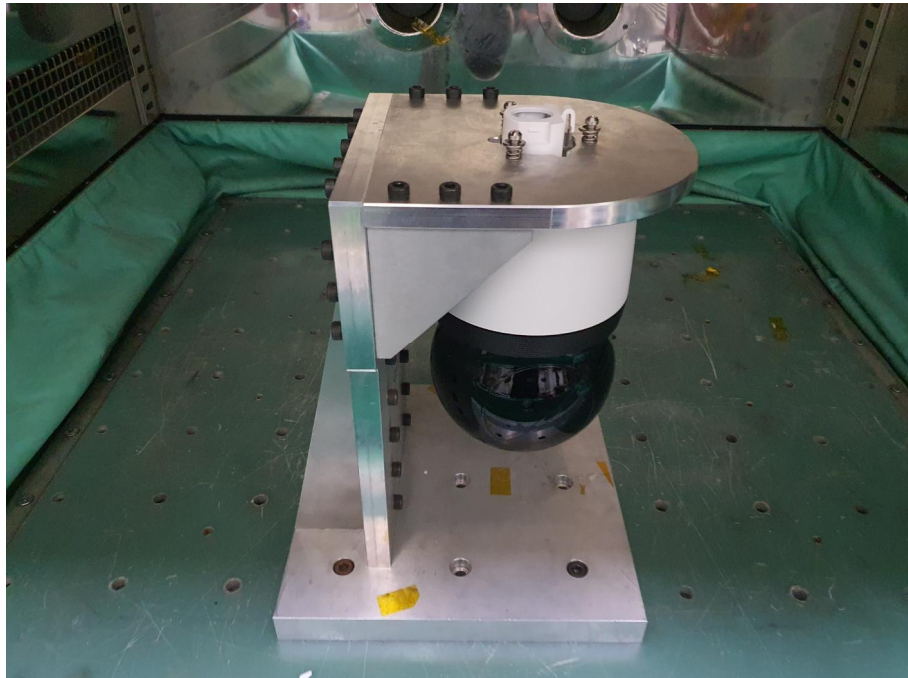


2.2. Test photos

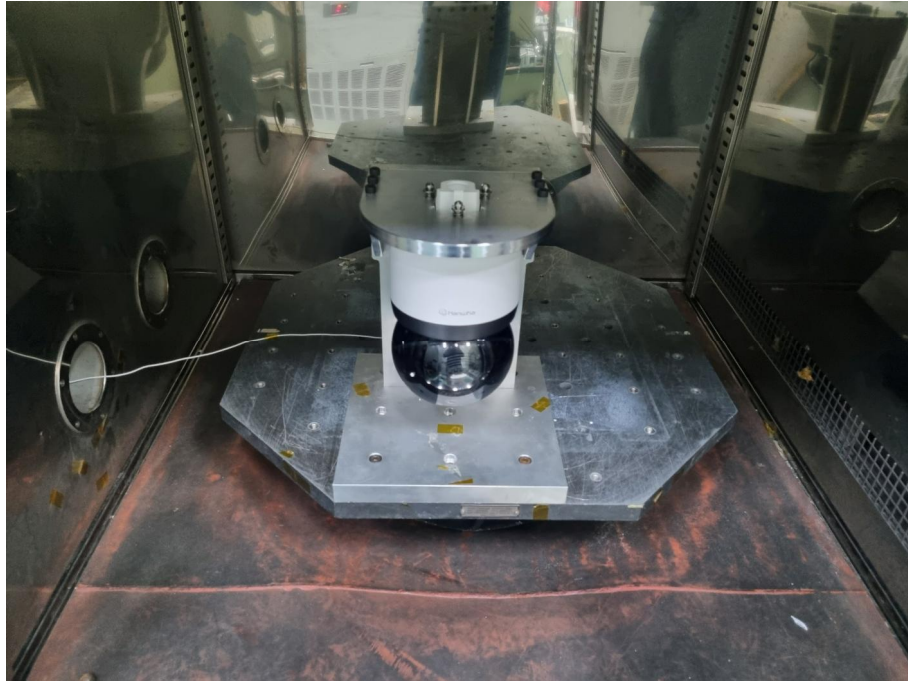
[X axis]



[Y axis]

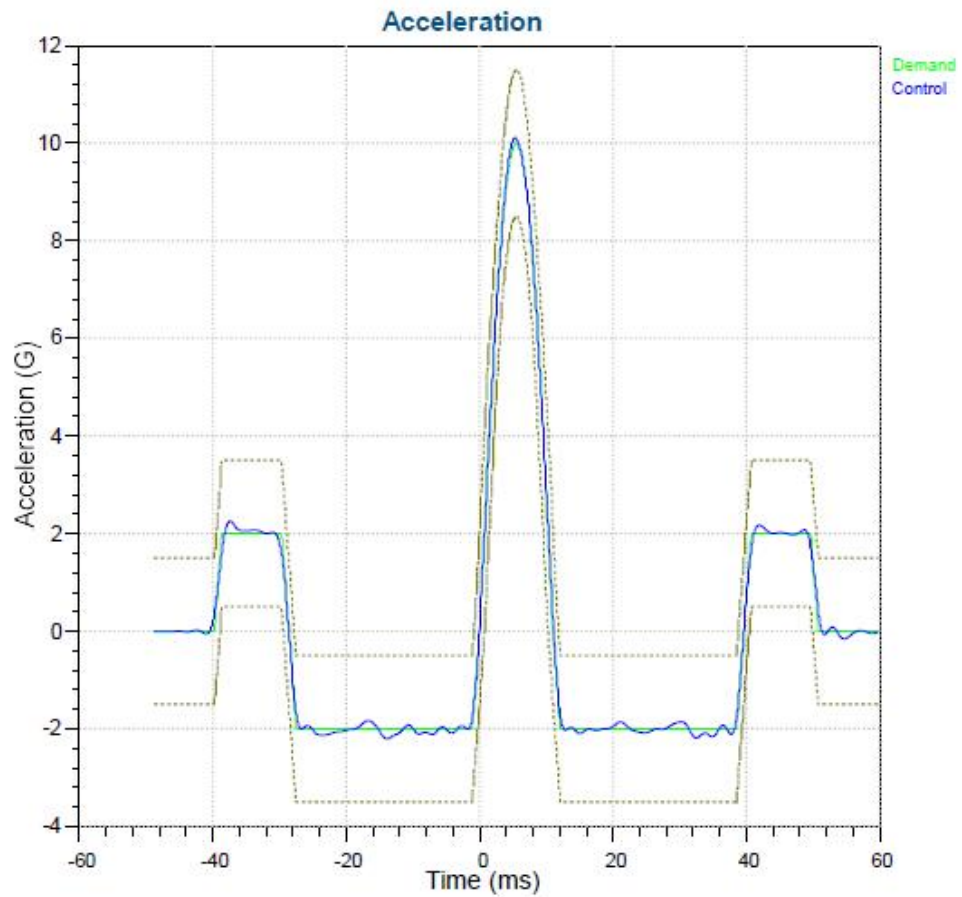


[Z axis]



2.3. Data

[Shock]



10 11, 2023 16:30:04 Level 1) 100 %

Output: 0.683 Volts peak

NEMA TS-2 2.2.9

Demand: 10 G

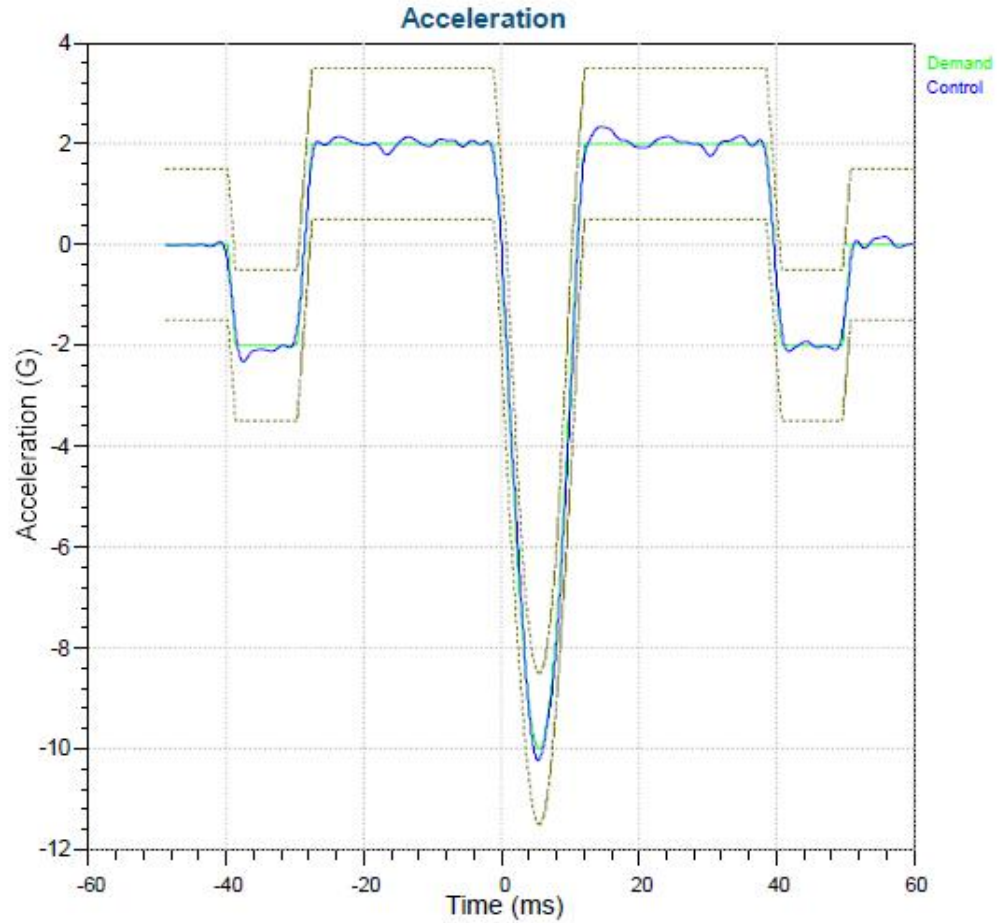
Control: 10.11 G

Pulse: 1 of 1

Running

[X+ axis]

[Shock]



10 11, 2023 16:30:10 Level 2) 100 %

Output: 0.6812 Volts peak NEMA TS-2 2.2.9

Demand: 10 G

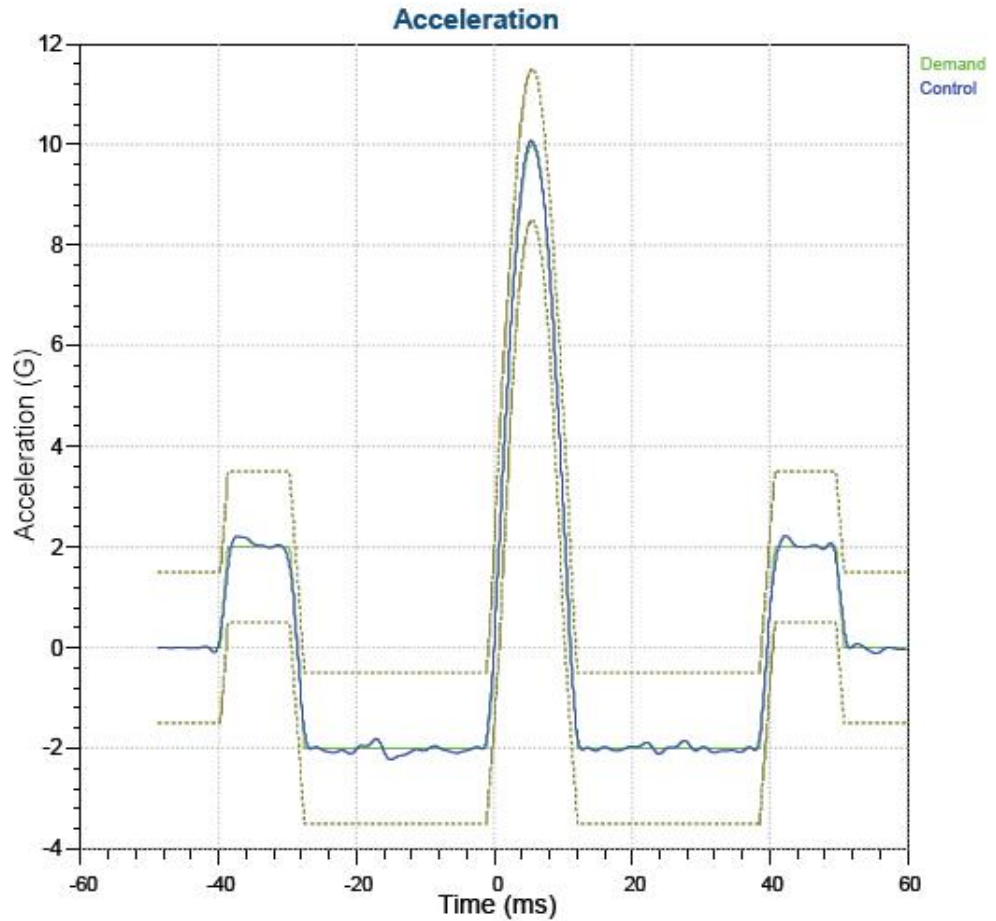
Control: 10.24 G

Pulse: 1 of 1

End of Test

[X- axis]

[Shock]



10 11, 2023 16:34:24 Level 1) 100 %

Output: 0.6841 Volts peak NEMA TS-2 2.2.9

Demand: 10 G

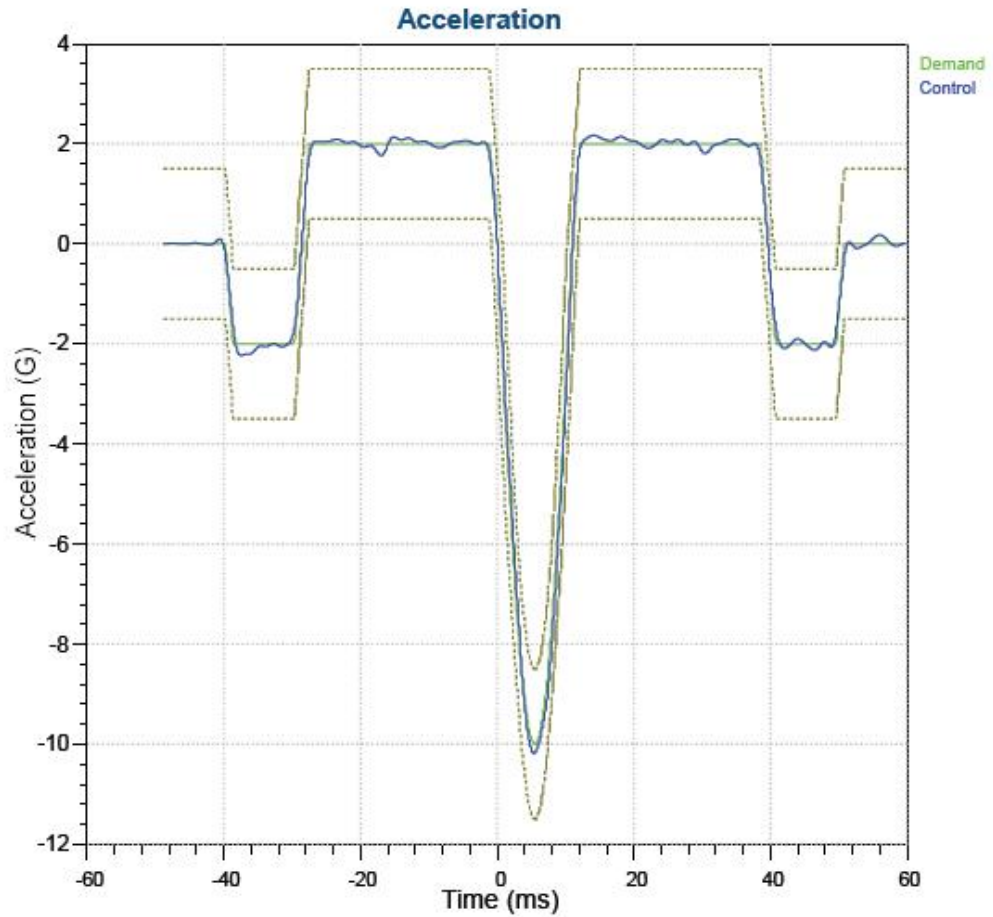
Control: 10.08 G

Pulse: 1 of 1

Running

[Y+ axis]

[Shock]



10 11, 2023 16:34:28 Level 2) 100 %

Output: 0.6815 Volts peak NEMA TS-2 2.2.9

Demand: 10 G

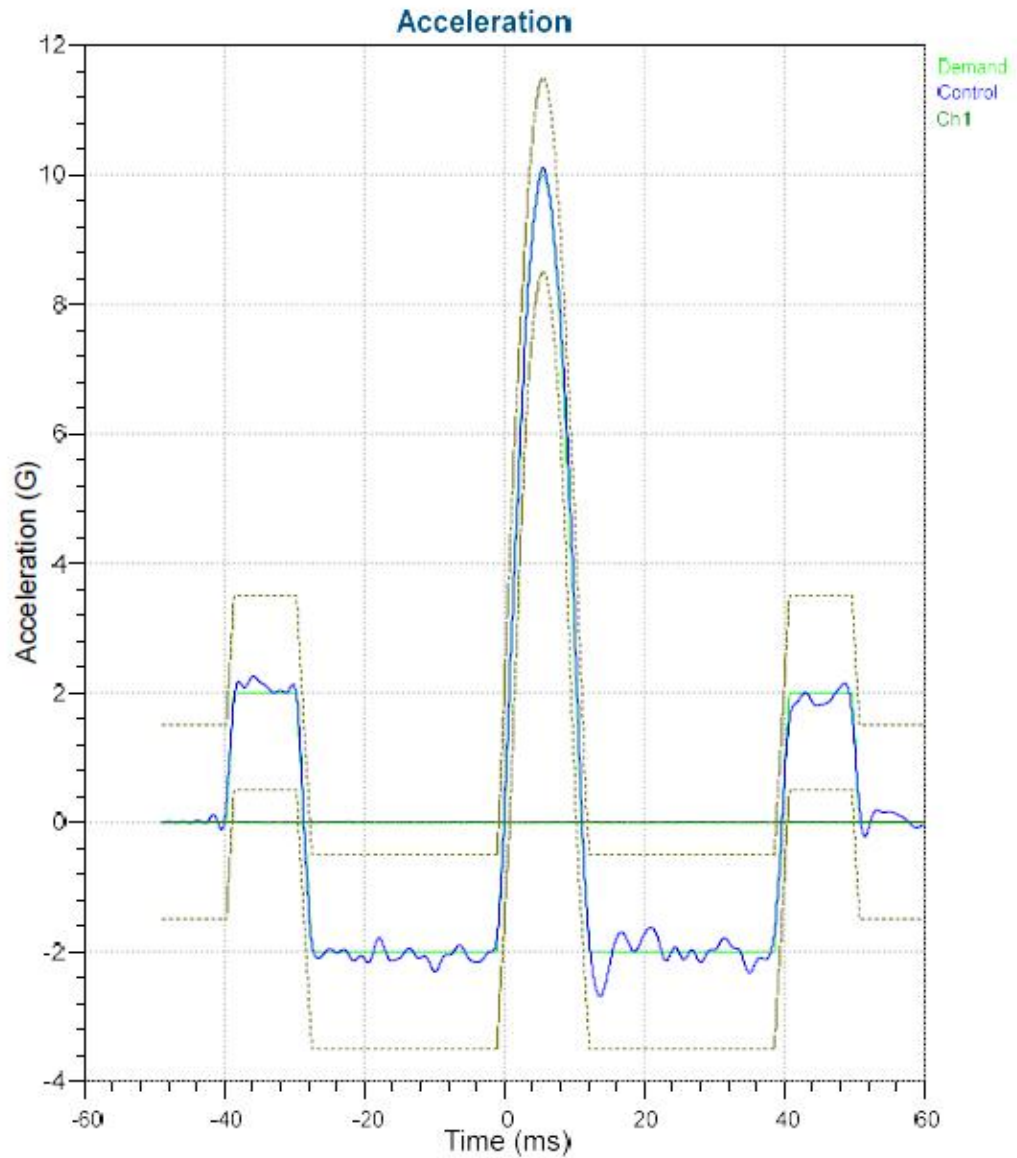
Control: 10,19 G

Pulse: 1 of 1

End of Test

[Y- axis]

[Shock]



10 11, 2023 17:01:51 Level 1) 100 %

Output: 0.6671 Volts pea NEMA TS-2 2.2.

Demand: 10 G

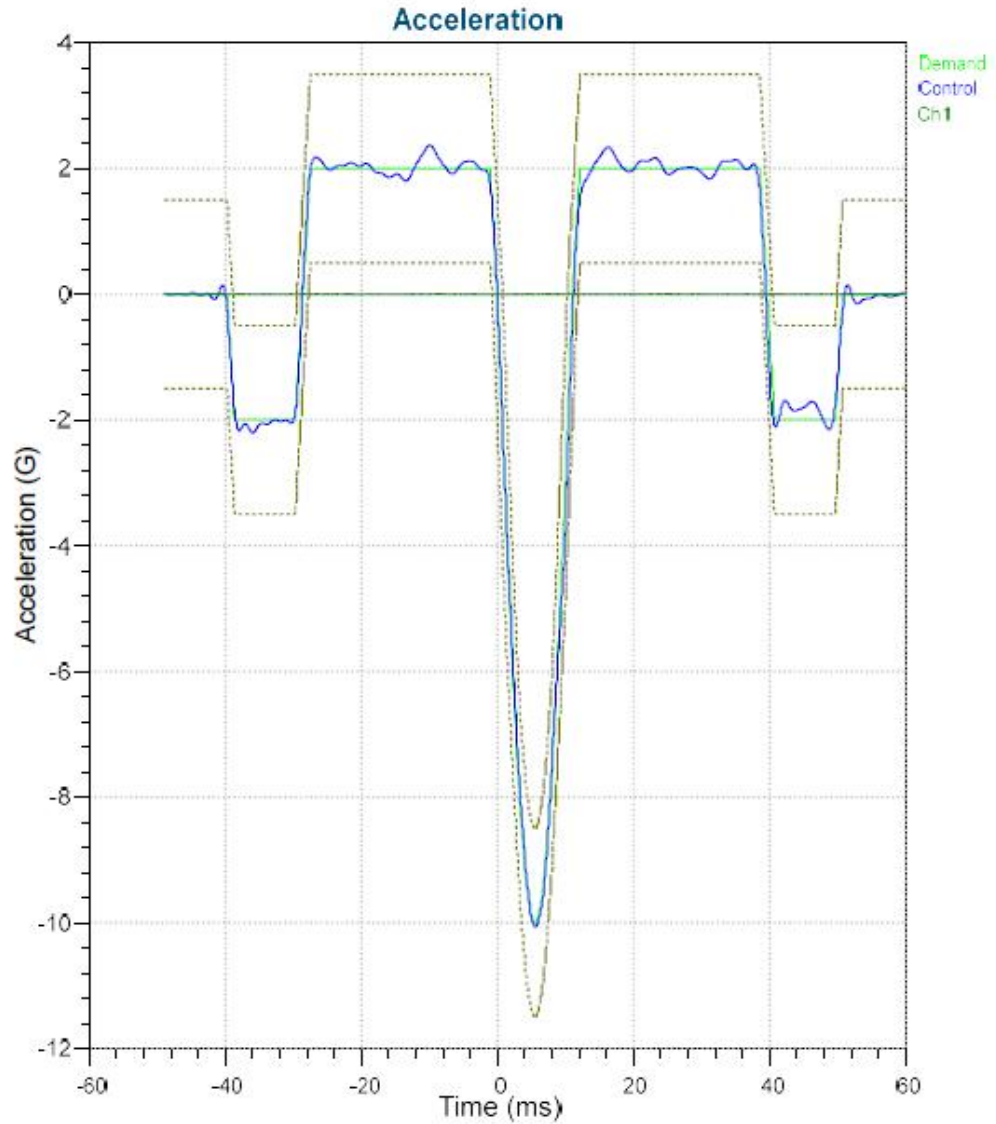
Control: 10.11 G

Pulse: 1 of 1

Running

[Z+ axis]

[Shock]



10 11, 2023 17:02:01 Level 2) 100 %

Output: 0.6623 Volts pea NEMA TS-2 2.2.

Demand: 10 G

Control: 10.06 G

Pulse: 1 of 1

End of Test

[Z- axis]

- End -