

TEST REPORT



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

REPORT No.:

CTK-2025-02267

Page (1) / (35) pages

1. Applicant

- Name : Hanwha Vision Co., Ltd
- Address : 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA
- Date of Receipt : Jan. 20, 2025

2. Manufacturer

- Name : Hanwha Vision Co., Ltd

3. Use of Report :

For submission to customer

4. Test sample / Model :

NETWORK CAMERA / XNO-A9084R

5. Date(s) of test :

Feb. 04, 2025 ~ Feb. 20, 2025

6. Test Standard (Method) used :

EN 60068-2-1, EN 60068-2-2, EN 60068-2-14, EN 60068-2-6, EN 60068-2-27, EN 60068-2-78, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-78

7. Testing Environment :

Temperature: (25 ±10) °C, Humidity: (50 ±25) % R.H.

Pressure: (96 ±10) kPa

8. Test Results :

Refer to the test results

9. Location of Test :

☒ Permanent Testing Lab ☐ On Site Testing
(5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea)

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This report cannot be reproduced or copied without the written consent of CTK.

Approval	Tested by	Technical Manager
	Name: HyungUk Jeon (Signature)	Name: HoHyun Lee (Signature)

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

Aug. 26, 2025

CTK Co., Ltd.



**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

REPORT No.:
CTK-2025-02267
Page (2) / (39) pages

Table of Contents

1. Testing laboratory	4
1.1 Testing laboratory information	4
1.2 Testing laboratory accreditation status	4
2. Product description and equipment information	5
2.1 Product description	5
2.2 Model description	5
2.3 Equipment information	5
2.4 Pre-test product images	6
2.5 Testing equipment images	7
3. Cold Test (EN 60068-2-1, IEC 60068-2-1)	8
3.1 Test date and environmental conditions	8
3.2 Test conditions and methods	8
3.3 Testing images	9
3.4 Test Result	10
3.5 Test Data	11
4. Dry heat Test (EN 60068-2-2, IEC 60068-2-2)	12
4.1 Test date and environmental conditions	12
4.2 Test conditions and methods	12
4.3 Testing images	13
4.4 Test result	14
4.5 Test Data	15
5. Change of temperature Test (EN 60068-2-14, IEC 60068-2-14)	16
5.1 Test date and environmental conditions	16
5.2 Test conditions and methods	16
5.3 Testing images	17
5.4 Test result	18
5.5 Test Data	19
5.6 Post-test operation and function	20

**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

REPORT No.:
CTK-2025-02267
Page (3) / (39) pages

6. Vibration Test (EN 60068-2-6, IEC 60068-2-6)	21
6.1 Test date and environmental conditions	21
6.2 Test conditions and methods	21
6.3 Testing images	22
6.4 Test result	23
6.5 Test Data	24
6.6 Post-test operation and function	27
7. Shock Test (EN 60068-2-27, IEC 60068-2-27)	28
7.1 Test date and environmental conditions	28
7.2 Test conditions and methods	28
7.3 Testing images	29
7.4 Test result	30
7.5 Test Data	31
8. Damp heat Test (EN 60068-2-78, IEC 60068-2-78)	34
8.1 Test date and environmental conditions	34
8.2 Test conditions and methods	34
8.3 Testing images	35
8.4 Test result	36
8.5 Test Data	37
8.6 Post-test product images	38
8.7 Post-test operation and function	39

 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	REPORT No. : CTK-2025-02267 Page (4) / (39) pages	
--	---	--

1. Testing laboratory

1.1 Testing laboratory information

Lab. Name	CTK Co., Ltd.
Representative	Young Joseph Seungwon
Address	5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si Gyeonggi-do, Republic of Korea
Tel.	+82-31-339-9970
Fax.	+82-31-624-9501
E-Mail	all.youngin@element.com
Website	www.elementkorea.kr

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

**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

REPORT No. :
CTK-2025-02267
Page (5) / (39) pages

2. Product description and equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
NETWORK CAMERA	XNO-A9084R	1 EA	–

2.2 Model description

Basic Model	XNO-A9084R
Series model	XNO-A6084R,XNO-A8084R
Model differences	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), differences in image sensor, lens.

2.3 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Calibration Date
Temperature & Humidity Chamber	ARS-1100-AE	ESPEC	1110024017	Oct. 7, 2025
VIBRATION TESTING SYSTEM	LT1010	FAMTECH	D2012335	N/A
Acceleration sensor	8703A250M5	KISTLER	5830236	Jan. 16, 2026
Acceleration sensor	8703A250M5	KISTLER	5722241	Jan. 16, 2026



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

REPORT No.:
CTK-2025-02267
Page (6) / (39) pages

2.4 Pre-test product images

2.4.1 Test sample



Top



Bottom



Front



Rear



Left side



Right side



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

REPORT No.:
CTK-2025-02267
Page (7) / (39) pages

2.5 Testing equipment images

2.5.1 Test equipment



Temperature & Humidity Chamber



VIBRATION TESTING SYSTEM



8703A250M5



8703A250M5

**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

REPORT No. :
CTK-2025-02267
Page (8) / (39) pages

3. Cold Test (EN 60068-2-1, IEC 60068-2-1)

3.1 Test date and environmental conditions

3.1.1 Test date: Feb. 10, 2025 ~ Feb. 11, 2025

3.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.7	44.5	90.1

3.2 Test conditions and methods

3.2.1 Sample status: Non-operation

3.2.2 Test temperature: -33

3.2.3 Test time: 16 h

3.2.4 Evaluation Criteria: Verification of Appearance Before and After Testing, and
Confirmation of Proper Product Functionality



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

REPORT No.:
CTK-2025-02267
Page (9) / (39) pages

3.3 Testing images

3.3.1 Evidence of test setting



**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

REPORT No. :
CTK-2025-02267
Page (10) / (39) pages

3.4 Test Result**3.4.1 Test Result table**

Evaluations Criteria	Test result		Comment
Sample	Visual Inspection	Normal	-
	Operation and Function	Normal	-



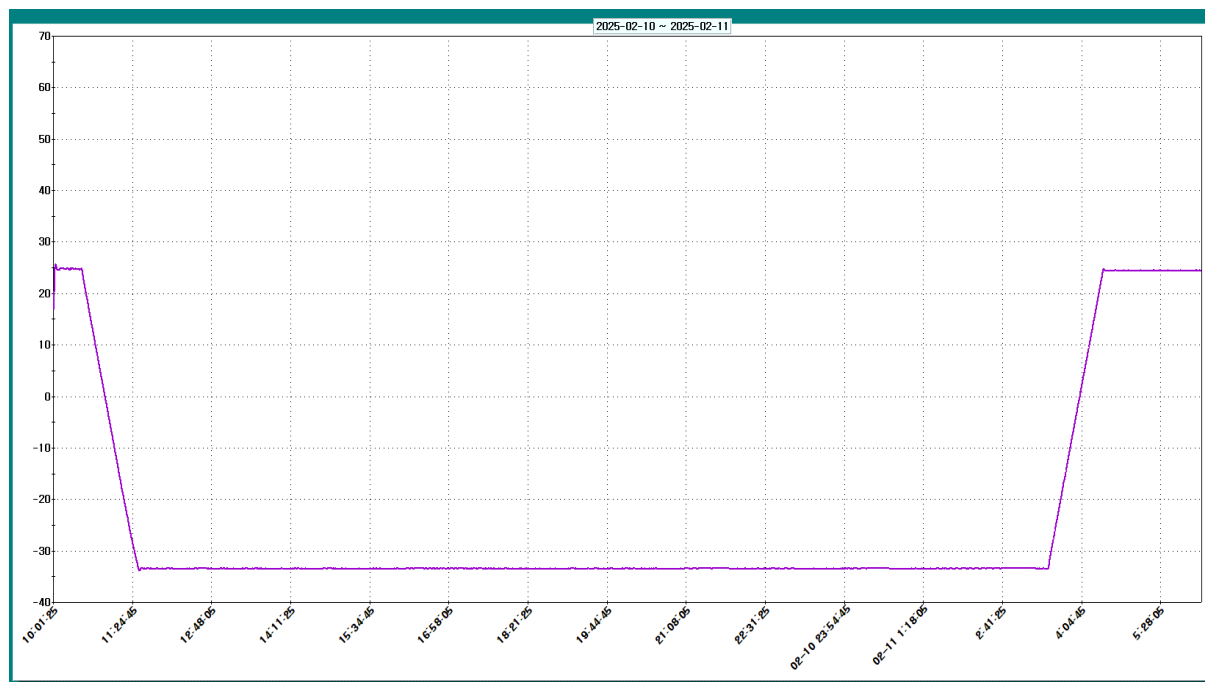
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (11) / (39) pages

3.5 Test Data

3.5.1 Test data and graph



Temperature Data

**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

REPORT No. :
CTK-2025-02267
Page (12) / (39) pages

4. Dry heat Test (EN 60068-2-2, IEC 60068-2-2)

4.1 Test date and environmental conditions

4.1.1 Test date: Feb. 11, 2025 ~ Feb. 15, 2025

4.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.4	44.3	90.0

4.2 Test conditions and methods

4.2.1 Sample status: Non-operation

4.2.2 Test temperature: 60 °C

4.2.3 Test time: 96 h

4.2.4 Evaluation Criteria: Verification of Appearance Before and After Testing, and Confirmation of Proper Product Functionality.

4.3 Testing images

4.3.1 Evidence of test setting



**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

REPORT No. :
CTK-2025-02267
Page (14) / (39) pages

4.4 Test result**4.4.1 Test results table**

Evaluations Criteria	Test result		Comment
Sample	Visual Inspection	Normal	-
	Operation and Function	Normal	-



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

REPORT No.:
CTK-2025-02267
Page (15) / (39) pages

4.5 Test Data

4.5.1 Test data and graph



Temperature Data

**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

REPORT No. :
CTK-2025-02267
Page (16) / (39) pages

5. Change of temperature Test (EN 60068-2-14, IEC 60068-2-14)

5.1 Test date and environmental conditions

5.1.1 Test date: Feb. 19, 2025 ~ Feb. 20, 2025

5.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.4	44.3	90.0

5.2 Test conditions and methods

5.2.1 Sample status: operation

5.2.2 Test temperature: -40 °C, 50 °C

5.2.3 Test time: 24 h

5.2.4 Evaluation Criteria: Verification of Appearance Before and After Testing, and Confirmation of Proper Product Functionality.

5.2.5 Test method

T _A (High)↵	T _B (Low)↵	Temperature change rate(°C/min)↵	t ₁ (idle time)↵	Cycles↵
50 °C ↵	-↵	5 °C/min↵	3 h↵	3↵
-↵	-40 °C↵	1 °C/min↵	3 h↵	3↵



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

REPORT No.:
CTK-2025-02267
Page (17) / (39) pages

5.3 Testing images

5.3.1 Evidence of test setting



**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

REPORT No.:
CTK-2025-02267
Page (18) / (39) pages

5.4 Test result**5.4.1 Test results table**

Evaluations Criteria	Test result		Comment
Sample	Visual Inspection	Normal	-
	Operation and Function	Normal	-



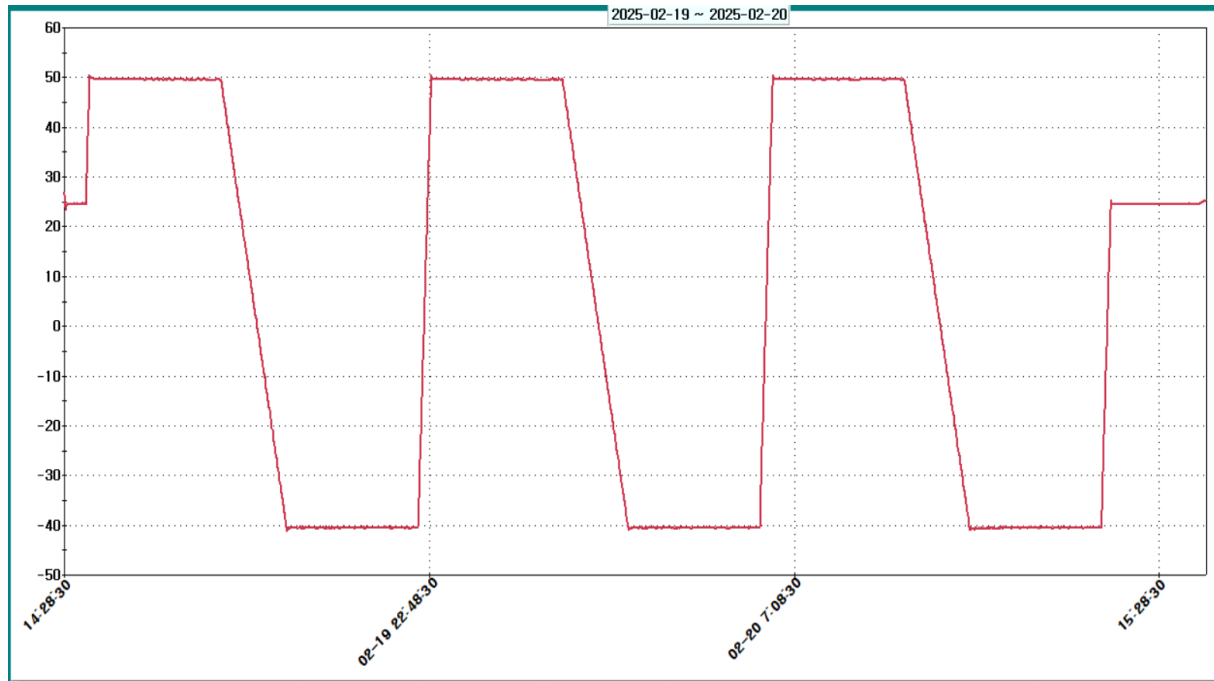
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (19) / (39) pages

5.5 Test Data

5.5.1 Test data and graph



Temperature Data



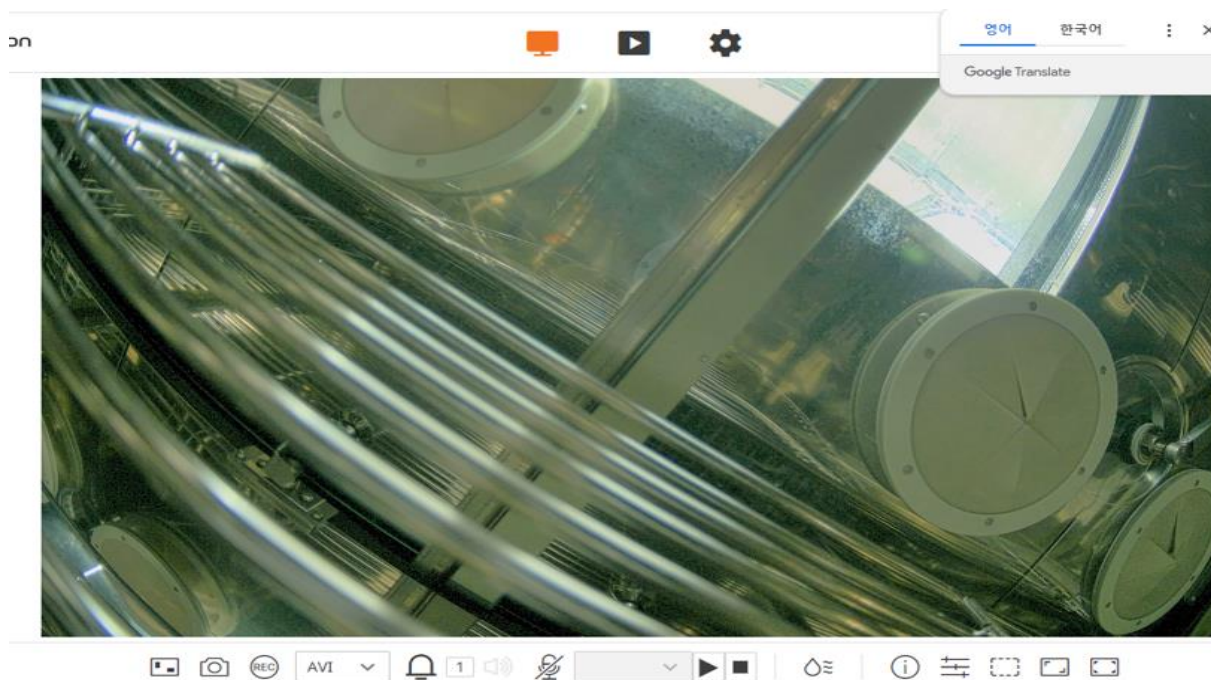
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (20) / (39) pages

5.6 Post-test operation and function

5.6.1 Test sample operation and function



**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

REPORT No. :
CTK-2025-02267
Page (21) / (39) pages

6. Vibration Test (EN 60068-2-6, IEC 60068-2-6)

6.1 Test date and environmental conditions

6.1.1 Test date: Feb. 14, 2025 ~ Feb. 20, 2025

6.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.4	44.3	90.0

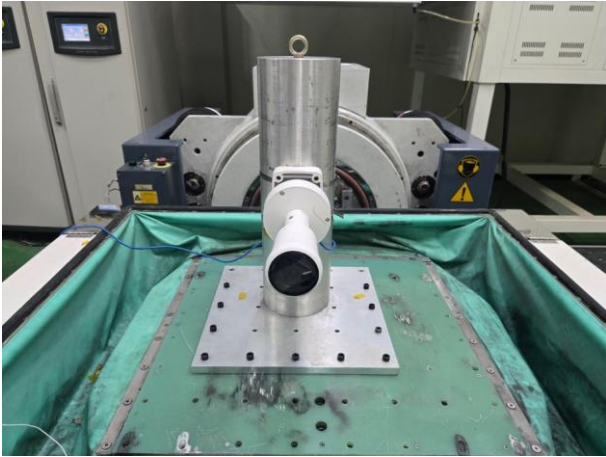
6.2 Test conditions and methods

6.2.1 Vibration Test (EN 60068-2-6)

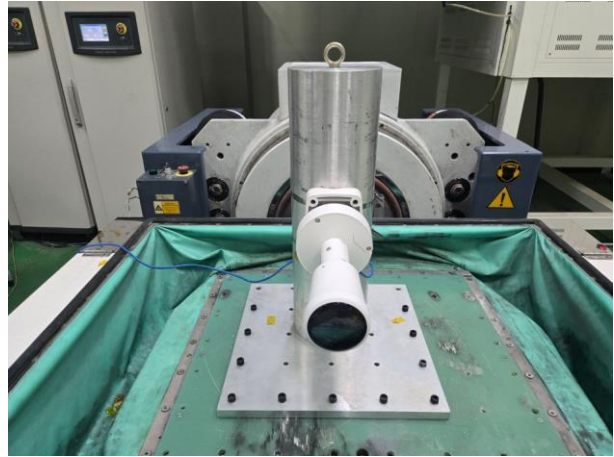
- Sample status: operation
- Frequency(Hz): 5 Hz ~ 200 Hz
- Acceleration(G): 1 G
- Sweep rate: 1 oct/min
- Test Axis: Z, X, Y
- Test time(h): Total 30 min (10 min. per each axis)

6.3 Testing images

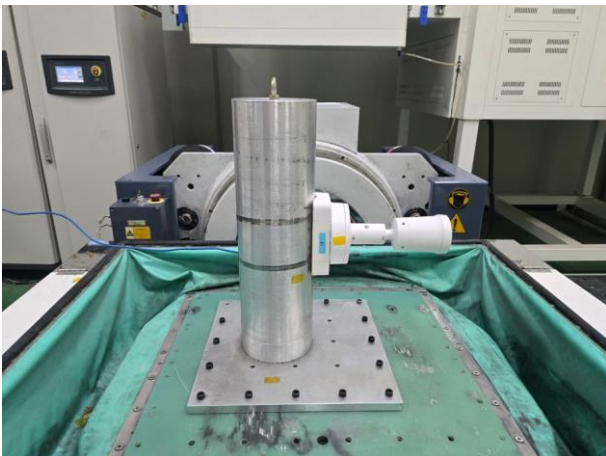
6.3.1 Evidence of test setting



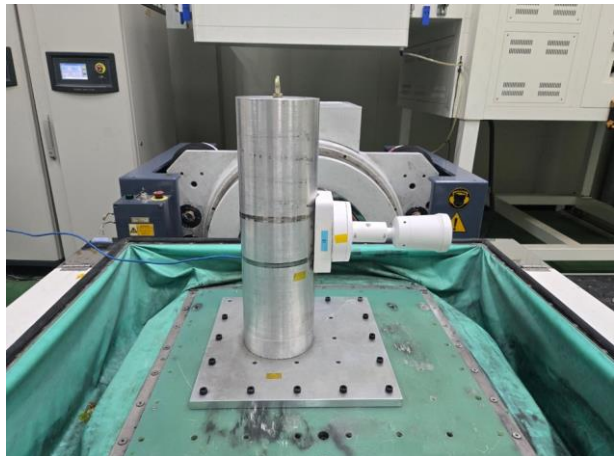
X axis_1



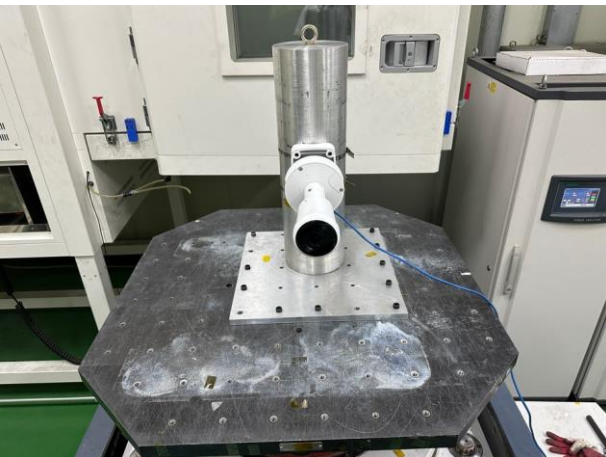
X axis_2



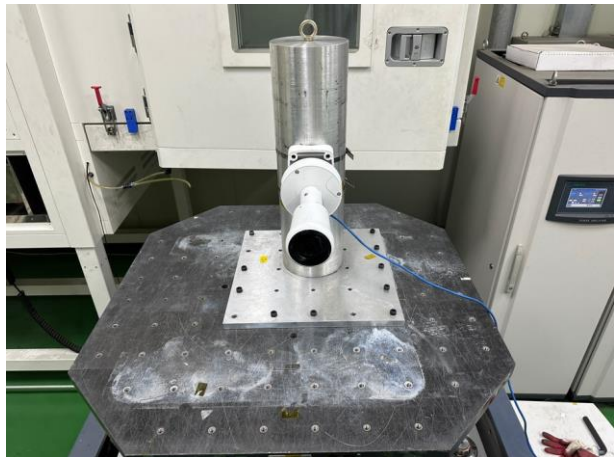
Y axis_1



Y axis_2



Z axis_1



Z axis_2

**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

REPORT No.:
CTK-2025-02267
Page (23) / (39) pages

6.4 Test result**6.4.1 Test results table**

Evaluations Criteria	Test result		Comment
Sample	Before	Normal	-
	After	Normal	-



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

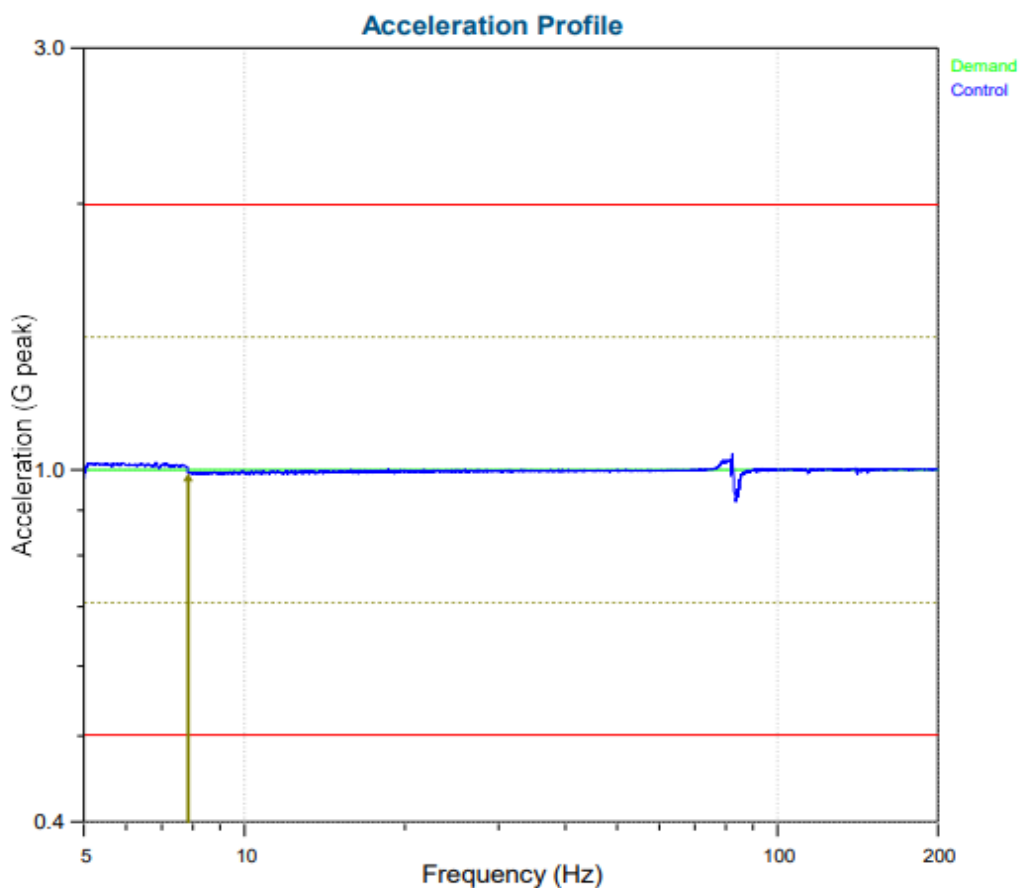
REPORT No.:

CTK-2025-02267

Page (24) / (39) pages

6.5 Test Data

6.5.1 Test data and graph (Vibration Test X Axis)



2025-02-17, 2025 15:55:53

Level 1) 100 %

Output: 0 Volts peak

2025-02-13 한 회 60068-2-4

Demand: 1 G

Level Time: 0:10:00

Frequency: 7.841 Hz

Control: 0.0008884 G Total Time: 0:10:12

End of Timed Test

X Axis

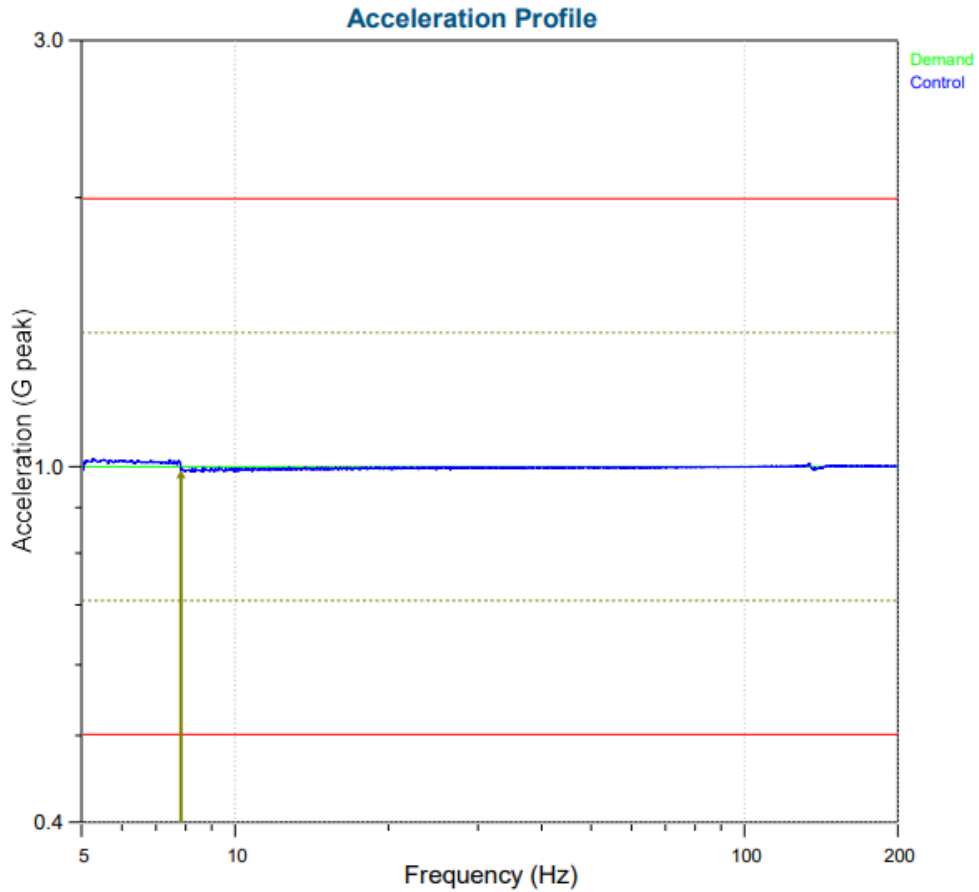


CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (25) / (39) pages

6.5.2 Test data and graph (Vibration Test Y Axis)



21 Feb 2025 16:47:02 Level 1) 100 %

Output: 0 Volts peak

2025-02-13 한화60068-2-4

Demand: 1 G

Level Time: 0:10:00

Frequency: 7.835 Hz

Control: 0.00246 G Total Time: 0:10:12

End of Timed Test

Y Axis

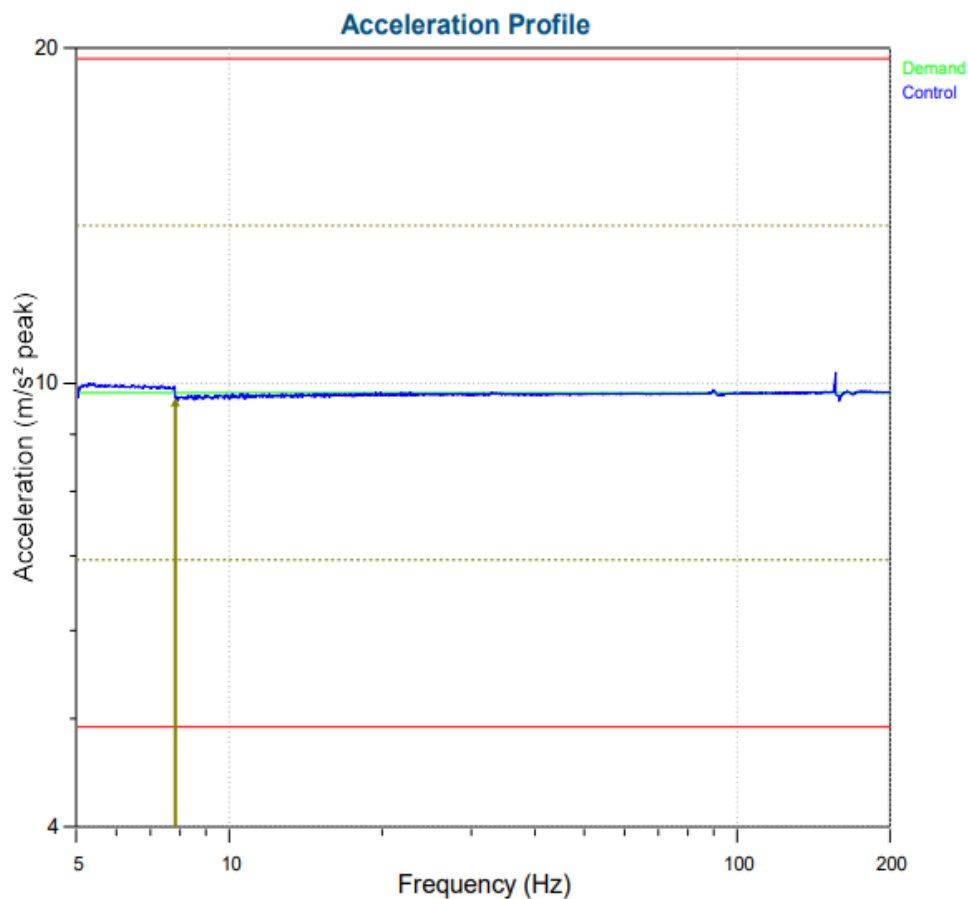


CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (26) / (39) pages

6.5.3 Test data and graph (Vibration Test Z Axis)



2 24, 2025 13:57:10 Level 1) 100 % Output: 4.954e-05 Volts peak 2025-02-13 한 화 60068-2-4

Demand: 9.807 m/s² Level Time: 0:10:00 Frequency: 7.835 Hz

Control: 0.02843 m/s² Total Time: 0:10:12 End of Timed Test

Z Axis



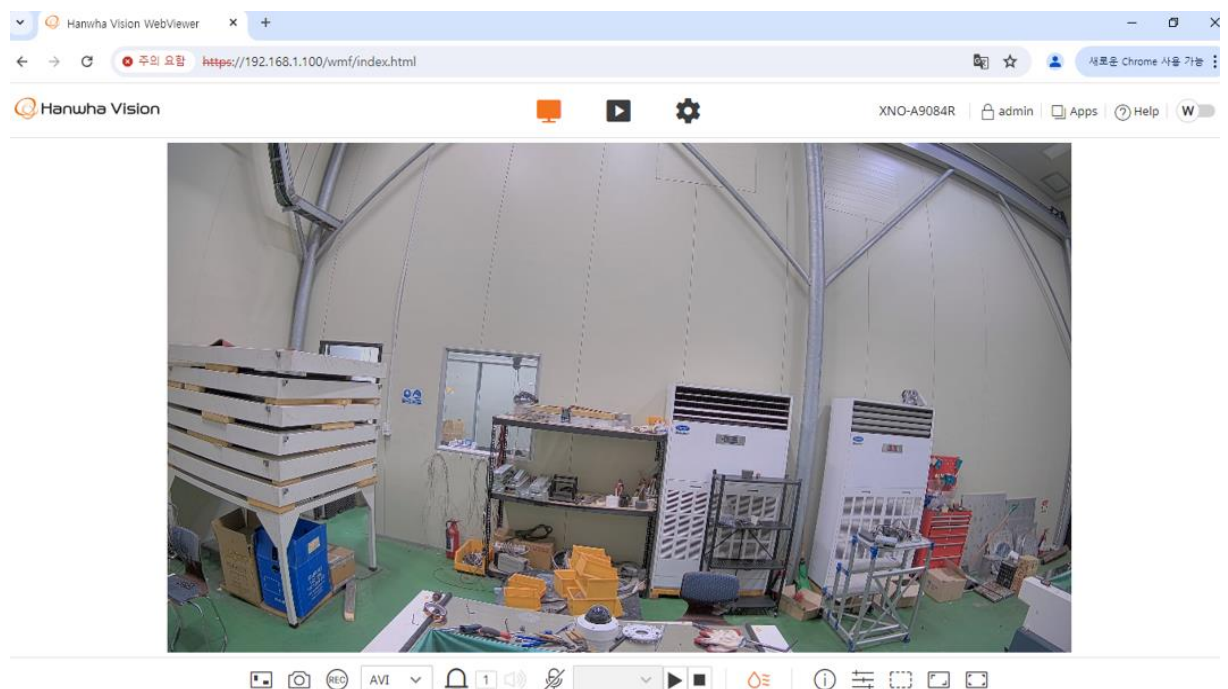
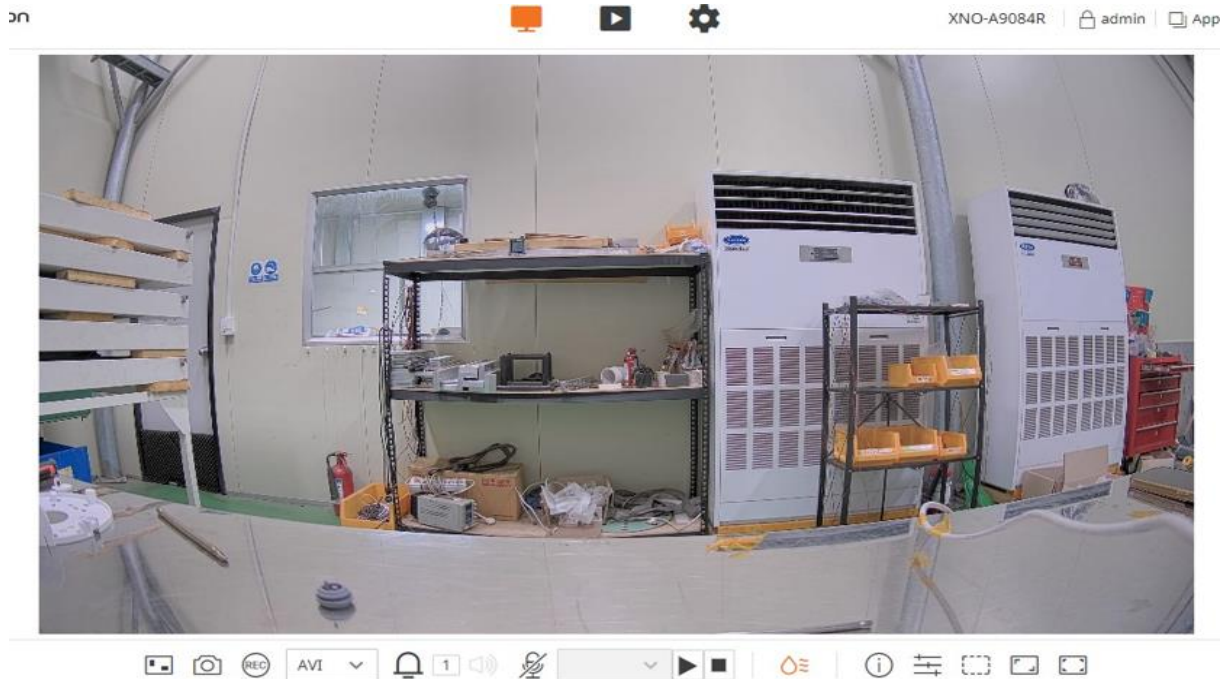
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (27) / (39) pages

6.6 Post-test operation and function

6.6.1 Test sample operation and function



**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

REPORT No.:
CTK-2025-02267
Page (28) / (39) pages

7. Shock Test (EN 60068-2-27, IEC 60068-2-27)

7.1 Test date and environmental conditions

7.1.1 Test date: Feb. 20, 2025 ~ Feb. 20, 2025

7.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.4	44.3	90.0

7.2 Test conditions and methods

7.2.1 Sample status: Non-operation

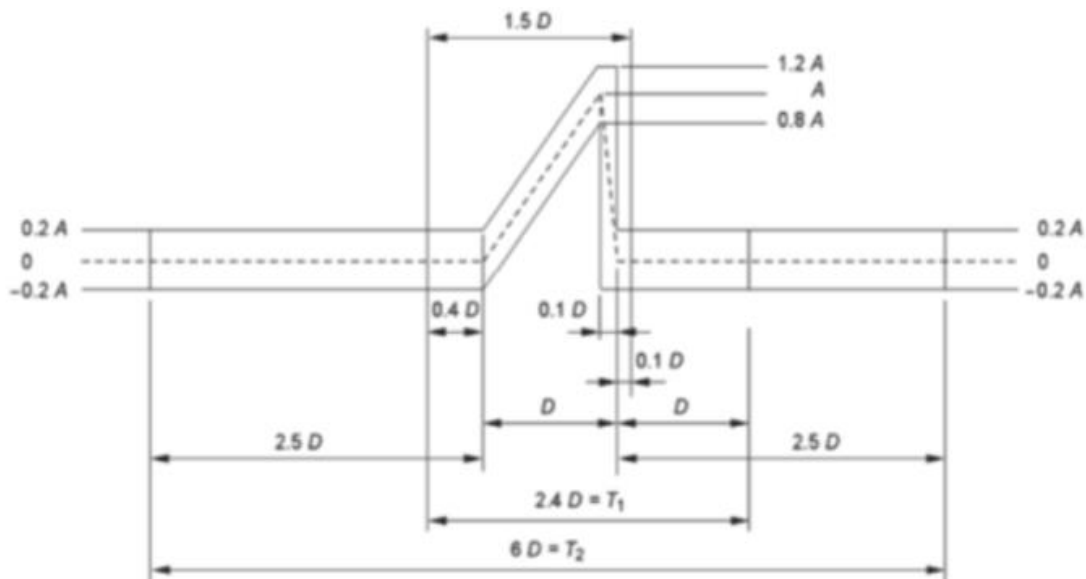
7.2.2 Acceleration(G): 10 G

7.2.3 Number of impacts: 10 per direction (total 60)

7.2.4 Test Axis: Z, X, Y

7.2.5 Test time(h): Total 30 min (10 min. per each axis)

7.2.6 Profile





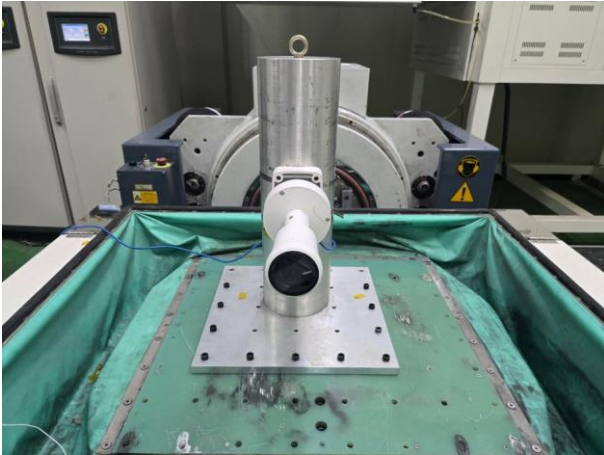
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

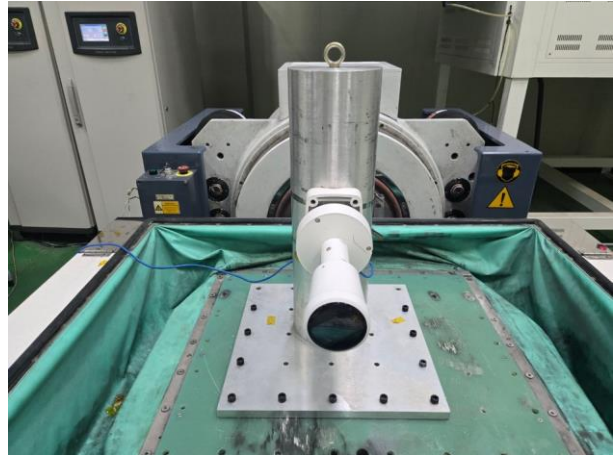
REPORT No.:
CTK-2025-02267
Page (29) / (39) pages

7.3 Testing images

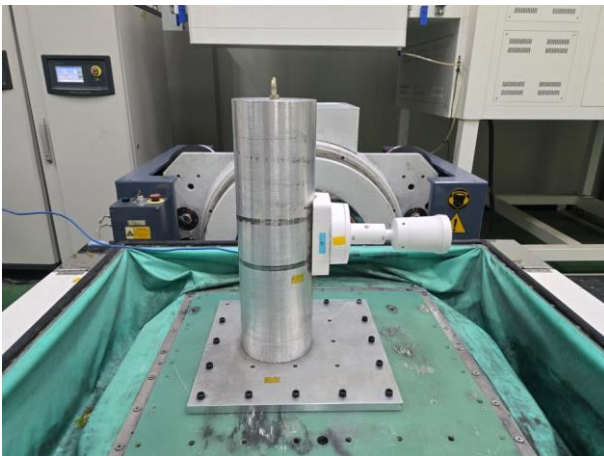
7.3.1 Evidence of test setting



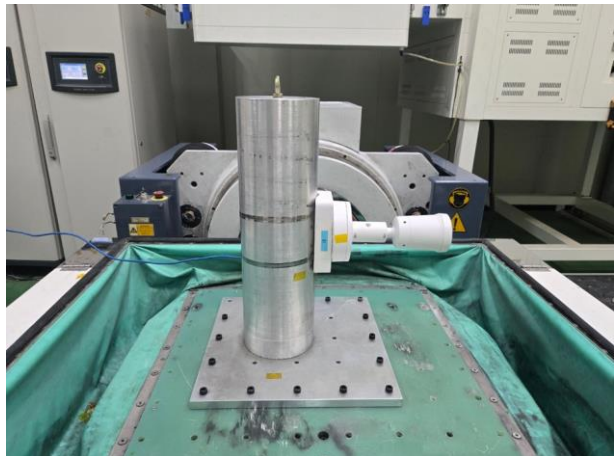
X axis_1



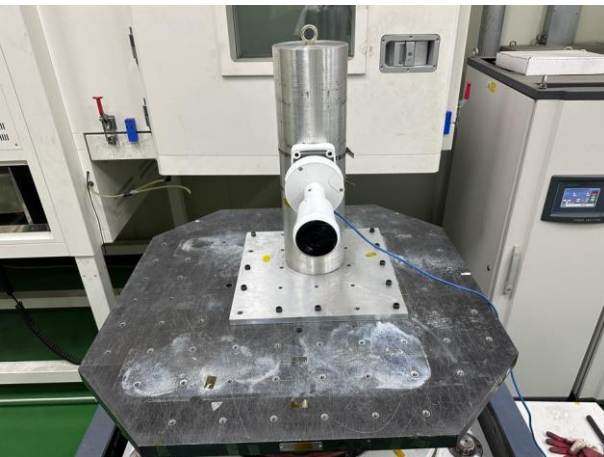
X axis_2



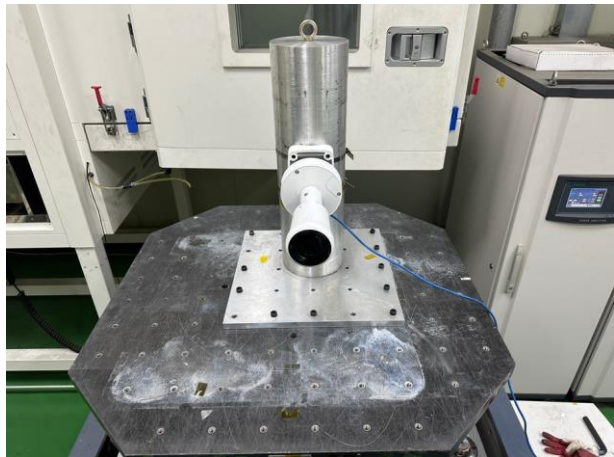
Y axis_1



Y axis_2



Z axis_1



Z axis_2

**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

REPORT No.:
CTK-2025-02267
Page (30) / (39) pages

7.4 Test result

7.4.1 Test results table

Evaluations Criteria	Test result		비고
	Visual Inspection	Normal	-
Sample	Operation and Function	Normal	-



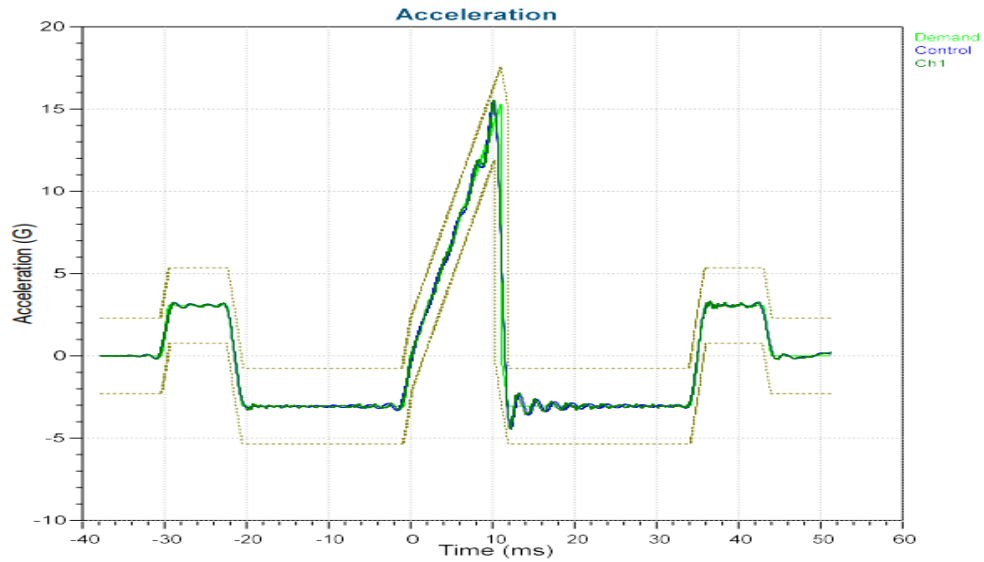
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

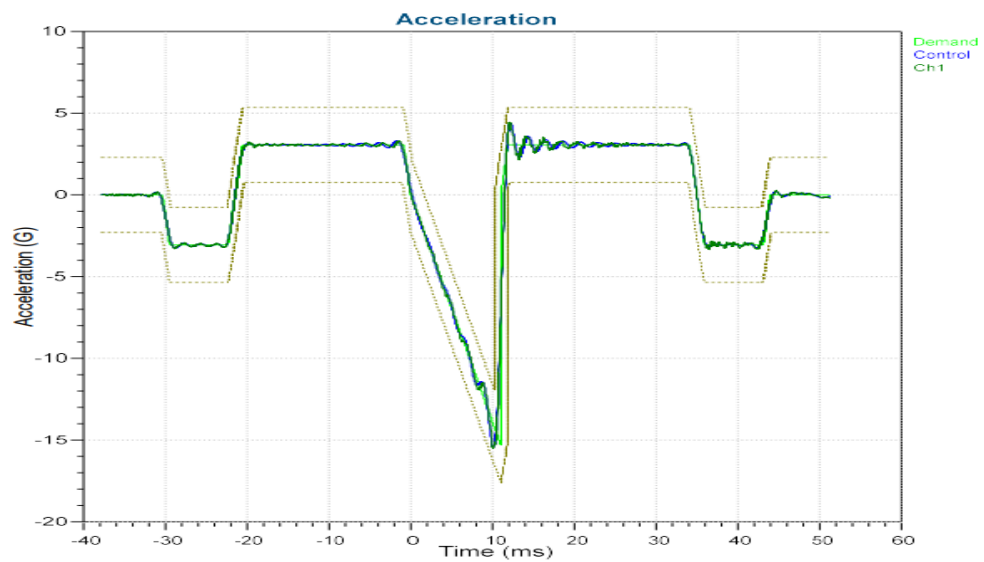
REPORT No.:
CTK-2025-02267
Page (31) / (39) pages

7.5 Test Data

7.5.1 Test data and graph (Shock Test X Axis)



X+



X-

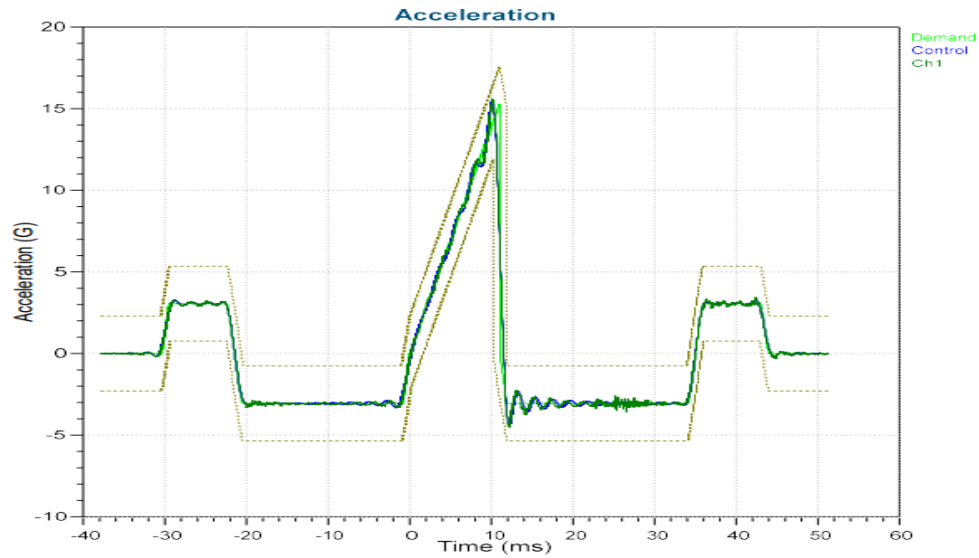


CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (32) / (39) pages

7.5.2 Test data and graph (Shock Test Y Axis)



2 17, 2025 16:49:23 Level 1) 100 %

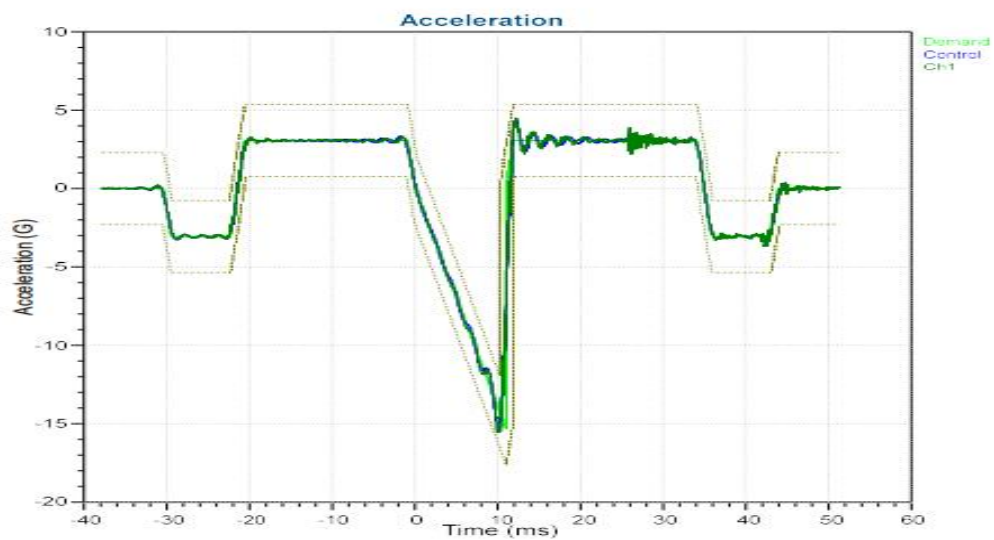
Output: 1.047 Volts peak 2025-02-14 60068-2-27

Demand: 15.3 G

Control: 15.44 G Pulse: 10 of 10

Running

Y+



2 17, 2025 16:49:58 Level 2) 100 %

Output: 1.047 Volts peak 2025-02-14 60068-2-27

Demand: 15.3 G

Control: 15.44 G Pulse: 10 of 10

End of Test

Y-

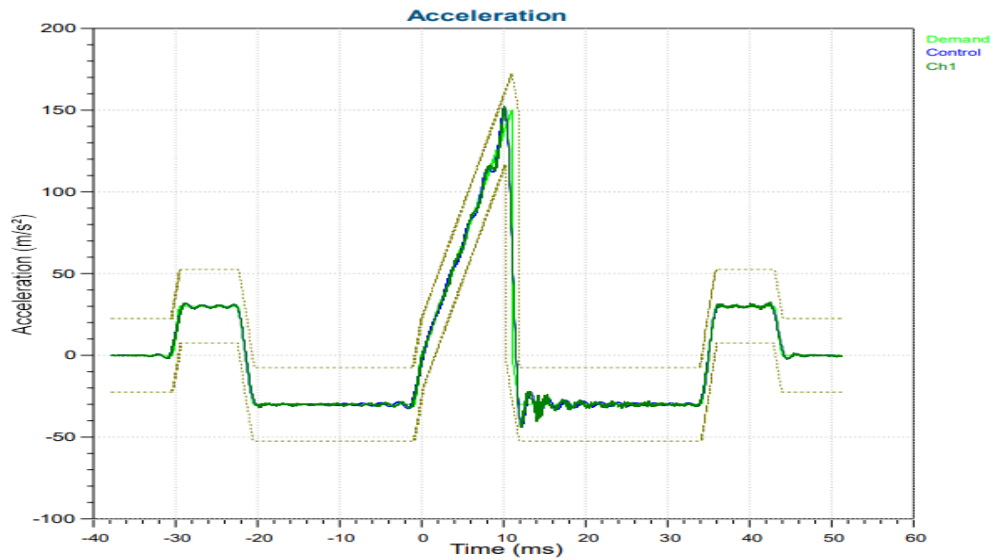


CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (33) / (39) pages

7.5.3 Test data and graph (Shock Test Z Axis)



2 24, 2025 13:45:49 Level 1) 100 %

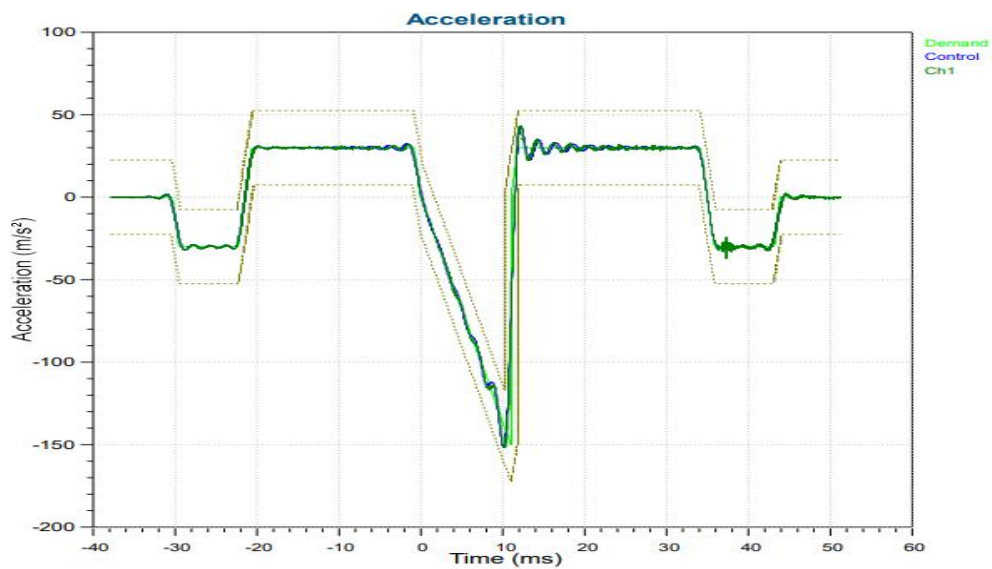
Output: 0.9638 Volts peak 2025-02-14 60068-2-27

Demand: 150 m/s²

Control: 151.3 m/s² Pulse: 10 of 10

Running

Z+



2 24, 2025 13:46:23 Level 2) 100 %

Output: 0.965 Volts peak

2025-02-14 60068-2-27

Demand: 150 m/s²

Control: 151.1 m/s² Pulse: 10 of 10

End of Test

Z-

**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

REPORT No. :
CTK-2025-02267
Page (34) / (39) pages

8. Damp heat Test (EN 60068-2-78, IEC 60068-2-78)

8.1 Test date and environmental conditions

8.1.1 Test date: Feb. 17, 2025 ~ Feb. 27, 2025

8.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.4	44.3	90.0

8.2 Test conditions and methods

8.2.1 Sample status: operation

8.2.2 Test temperature: 40 ± 2 °C

8.2.3 Test Humidity: 93 ± 3 % R.H.

8.2.4 Test time: 240 h

8.2.5 Evaluation Criteria: Verification of Appearance Before and After Testing, and Confirmation of Proper Product Functionality.



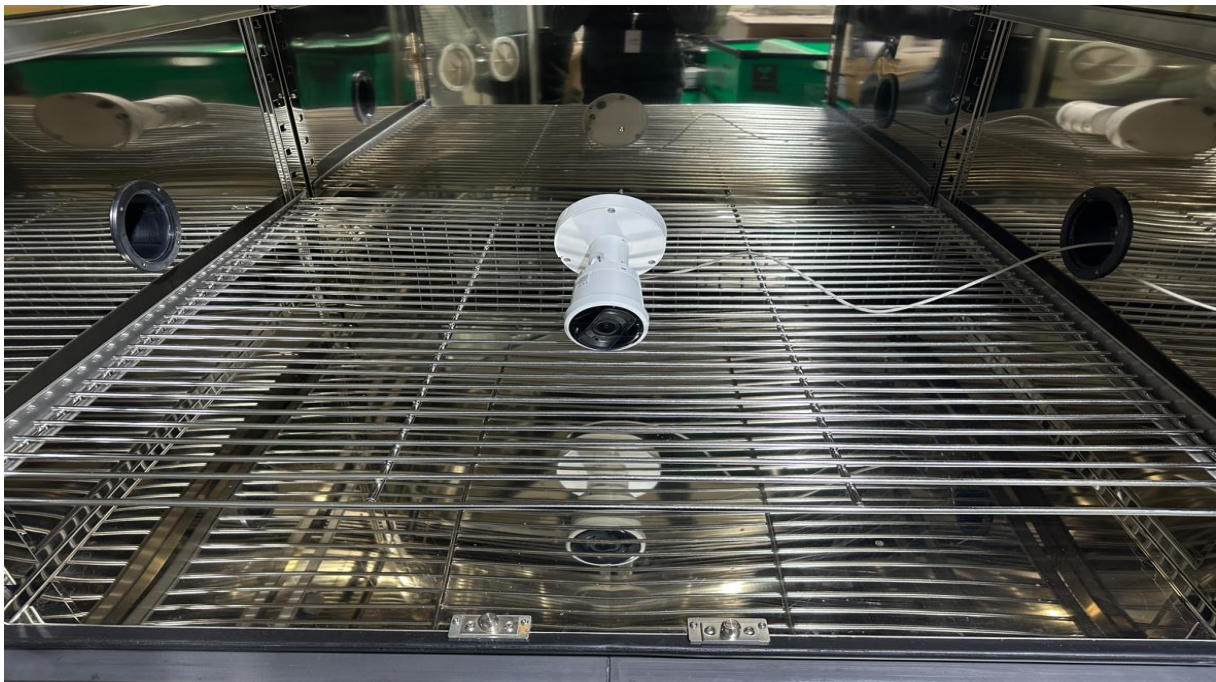
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (35) / (39) pages

8.3 Testing images

8.3.1 Evidence of test setting



**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

REPORT No.:
CTK-2025-02267
Page (36) / (39) pages

8.4 Test result**8.4.1 Test results table**

Evaluations Criteria	Test result		비고
	Visual Inspection	Normal	-
Sample	Operation and Function	Normal	-



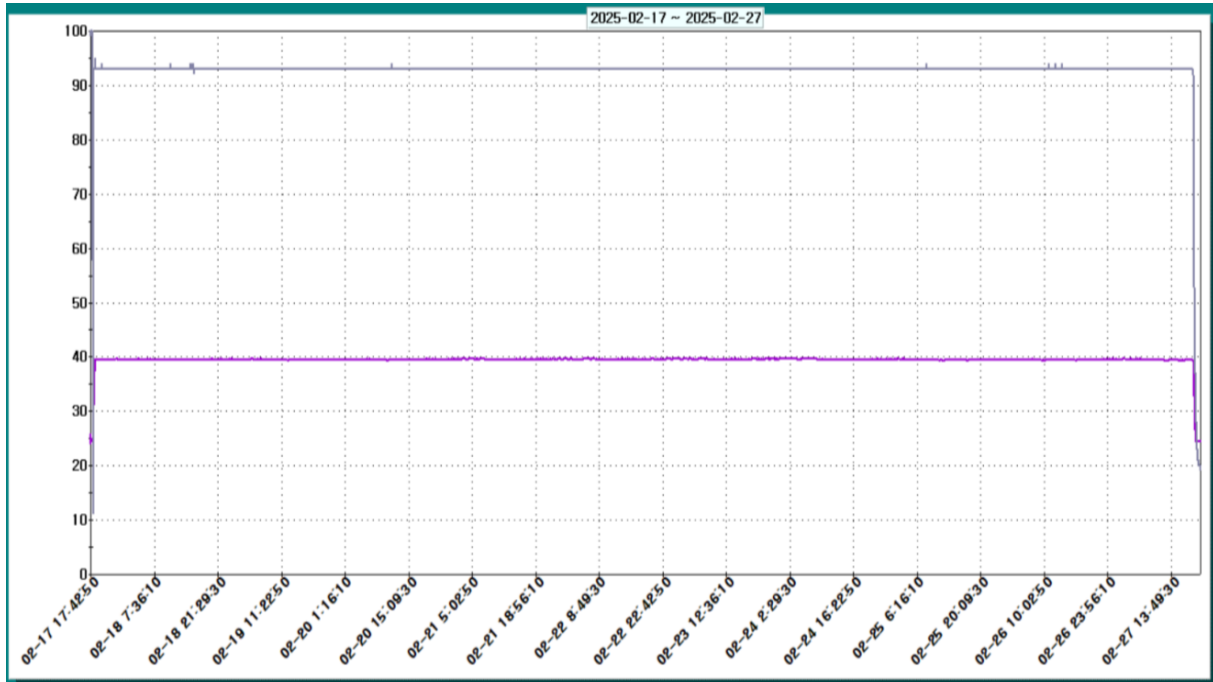
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (37) / (39) pages

8.5 Test Data

8.5.1 Test data and graph



Temperature Data



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

REPORT No.:
CTK-2025-02267
Page (38) / (39) pages

8.6 Post-test product images

8.6.1 Test sample



Top



Bottom



Front



Rear



Left side



Right side



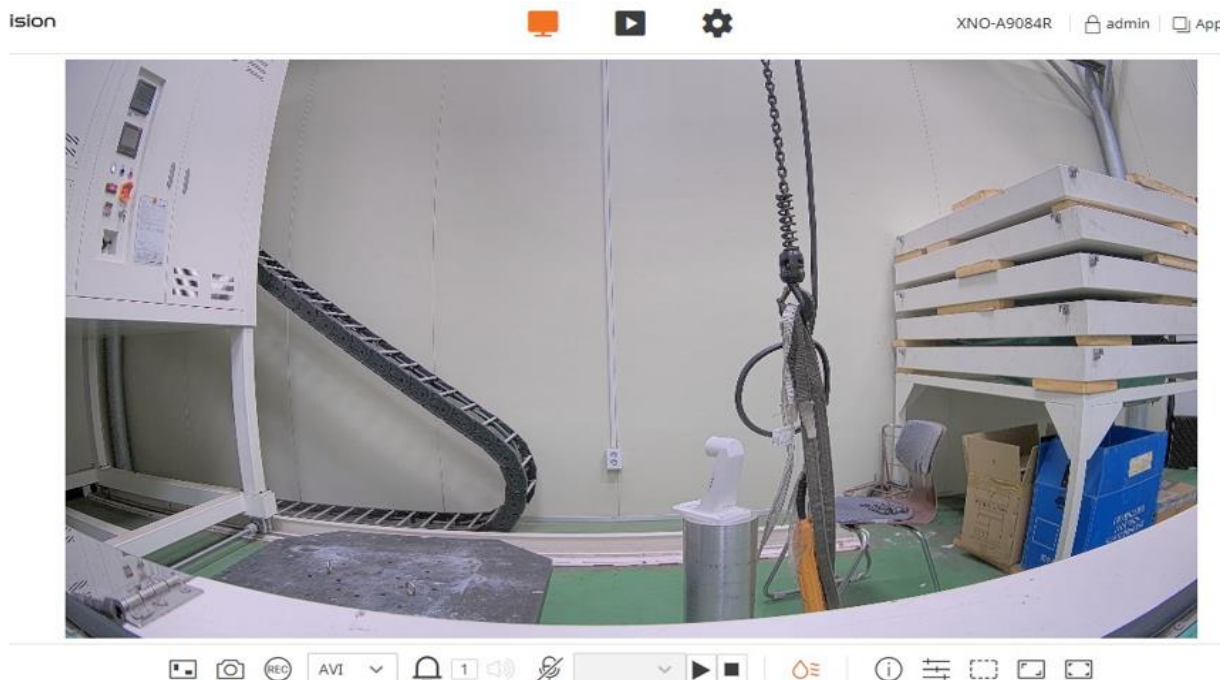
CTK Co., Ltd.

5 Dongbu-ro, 221beon-gil, Cheoin-gu, Yongin-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-02267
Page (39) / (39) pages

8.7 Post-test operation and function

8.7.1 Test sample operation and function



- End -