

TEST REPORT

Report No.: HC30075/2024

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Date: May 31, 2024

VECOW CO., LTD.
3F., NO.10, JIANKANG RD., ZHONGHE DIST.,
NEW TAIPEI CITY, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: High-Endurance System
Style/ Item No.: HEC-1000/ No.1
Quantity: Total 1 piece
Testing Period: May 7, 2024 to May 21, 2024
Note: (Client's declaration) The configuration of specimen(s) as shown below:
1. CPU: 14th Gen Intel Core i7-14700T@1.30 GHz
2. RAM: Innodisk DDR4 2666 non-ECC 16GB*2
3. SSD: Innodisk 2.5" SATA SSD 3TG6-P 512GB*2
4. M.2: Innodisk M.2(P80) 4TG2-P 4TB

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)

1. Low Pressure Test
2. High Temperature Test
3. Low Temperature Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

Signed for and on behalf of
SGS TAIWAN Ltd.



Alex Chen
Asst. Supervisor

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1. Low Pressure Test:

Test Equipment:

Name	Brand	Model	Serial No.
Altitude chamber	GIANT FORCE	GTP-1260-50-CP-AR	MAF1206-008

Lab Environmental Conditions:Ambient temperature: $(25 \pm 3) ^\circ\text{C}$ Ambient humidity: $(55 \pm 20) \% \text{RH}$ Test Location:No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,
New Taipei City, TaiwanTest Method/ Specification:Test method: MIL-STD-810G: 2008, Method 500.5 Procedure II and client's requestSample condition: OperatingAltitude: 15,000 ftTest temperature: 25°CTest duration: 24 hours

- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then execute the test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: HEC-1000/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (visual check)	Functional Check
HEC-1000/ No.1	No visible damage	Normal

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2. High Temperature Test:

Test Equipment:

Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	GIANT FORCE	GTH-800-40-CP-AR	MAA1804-001

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) ^\circ\text{C}$

Ambient humidity: $(55 \pm 20) \% \text{RH}$

Test Location: No.31, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New Taipei City, Taiwan

Test Method/ Specification:

Test method: MIL-STD-810G: 2008, Method 501.5, Procedure II, Table 501.6-III. High temperature cycles, climatic category A1 – Hot Dry, and client’s request

Sample condition: Operating

Test temperature: $(32 \sim 49) ^\circ\text{C}$ (Test Spectrums as shown in the following sheets in detail)

Test humidity: $(3 \sim 8) \% \text{RH}$ (Test Spectrums as shown in the following sheets in detail)

Test duration: 3 cycles

- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then execute the test program “Burn-In Test” while performing functional check.

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Test Method/ Specification--Continued:

Test Spectrums:

Time of Day	Temperature (°C)	Humidity (%RH)
01:00	35	6
02:00	34	7
03:00	34	7
04:00	33	8
05:00	33	8
06:00	32	8
07:00	33	8
08:00	35	6
09:00	38	6
10:00	41	5
11:00	43	4
12:00	44	4
13:00	47	3
14:00	48	3
15:00	48	3
16:00	49	3
17:00	48	3
18:00	48	3
19:00	46	3
20:00	42	4
21:00	41	5
22:00	39	6
23:00	38	6
24:00	37	6

Test cycle: Total 3 cycles

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Specimen:

Style/ Item No.: HEC-1000/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (visual check)	Functional Check
HEC-1000/ No.1	No visible damage	Normal

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3. Low Temperature Test:

Test Equipment:

Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	GIANT FORCE	GTH-800-40-CP-AR	MAA1804-001

Lab Environmental Conditions:Ambient temperature: $(25 \pm 3) ^\circ\text{C}$ Ambient humidity: $(55 \pm 20) \% \text{RH}$ Test Location:No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,
New Taipei City, TaiwanTest Method/ Specification:Test method: MIL-STD-810: 2008, Method 502.5 Procedure II and client's requestSample condition: OperatingTest temperature: -33°CTest duration: 4 hours

- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then execute the test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: HEC-1000/ No.1

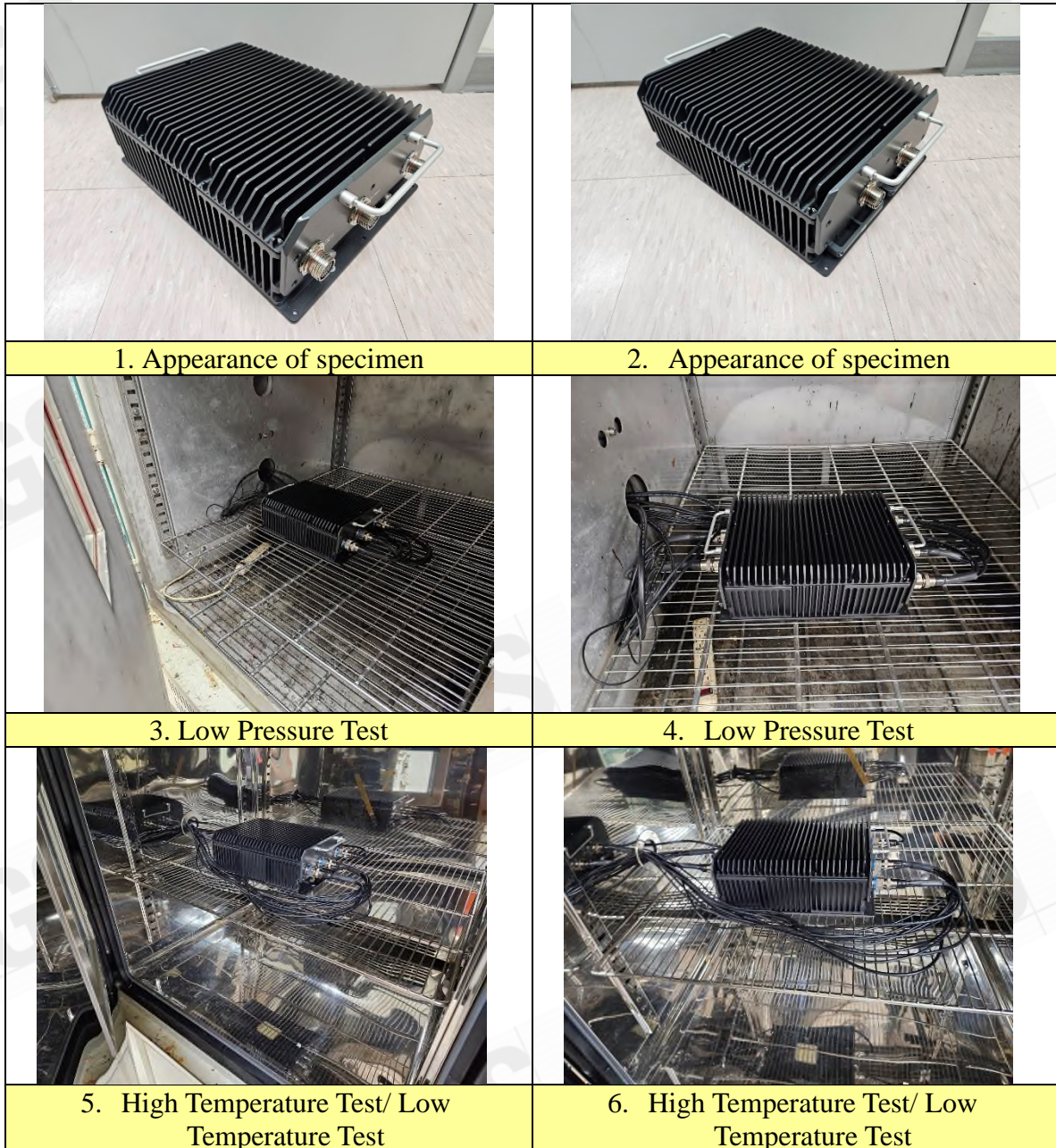
Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (visual check)	Functional Check
HEC-1000/ No.1	No visible damage	Normal

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Test Photos:



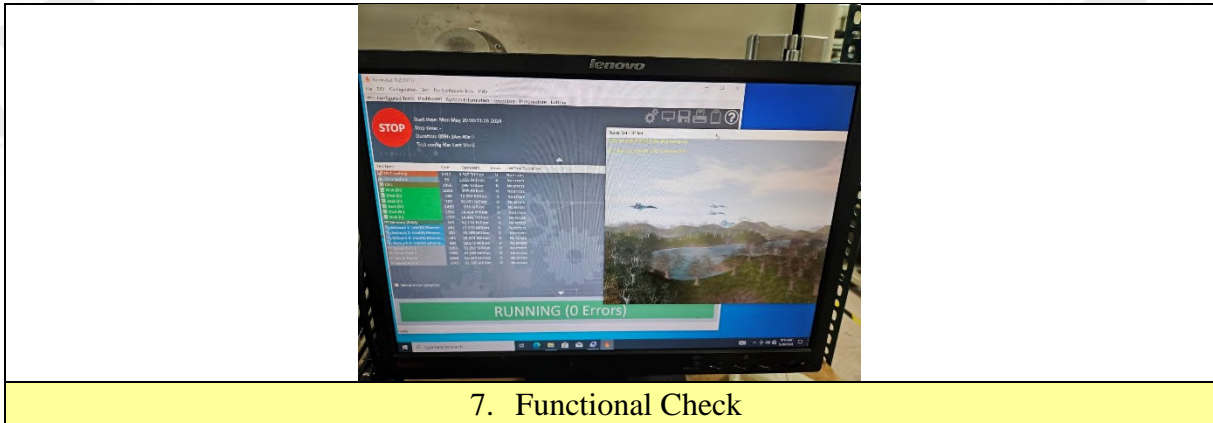
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Test Photos--Continued:



--- The End of Test Report ---

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