



Reliability Laboratory

TEST REPORT

Report No.: HC10113/2024

Page: 1 of 12

Date: March 12, 2024

7STARLAKE CO., LTD.

2F., NO.190, SEC. 2, ZHONGXING RD., XINDIAN DIST.,
NEW TAIPEI CITY, TAIWAN

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

Product Description: SYSTEM

Style / Item No.: AV800/AVR800-X1A / SR2021031901006

Quantity: Total 1 piece

Testing Period: Jan. 23, 2024 to Feb. 29, 2024

Note: (Client's declaration) AV800 for global Market/ AVR800-X1A for Israel Market

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. Non-operating Altitude Test--I
2. Non-operating Altitude Test--II
3. Operating Altitude Test
4. Blowing Dust 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. Non-operating Altitude Test--I:

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, Taiwan.

Test Method/ Specification:

Test Method: MIL-STD-810G: 2008, Method 500.5 Procedure I and client's request.

Test Procedure:

Step	Temperature ($^\circ\text{C}$)	Altitude (ft)	Time (minutes)
1	25	0	—
2	25	0	30
3	25 \rightarrow 71	0 \rightarrow 15,000	46
4	71	15,000	60
5	71 \rightarrow -33	15,000	104
6	-33	15,000	60
7	-33 \rightarrow 25	15,000 \rightarrow 0	58
8	25	0	10
Test cycle: Total 1 cycle			

- Sample condition: Non-Operating
- Examine the appearance of the specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen(s) with rated power and examine whether the booting function of specimen could be work normally or not.

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Specimen:

Style / Item No. : AV800/AVR800-X1A / SR2021031901006

Quantity : Total 1 piece

Test Result:

Style / Item No.	Check Item	Appearance Check (visual check)	Functional Check
AV800/AVR800-X1A / SR2021031901006		No visible damage	Normal

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2. Non-operating Altitude Test--II:

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, Taiwan.

Test Method/ Specification:

Test Method: MIL-STD-810G: 2008, Method 500.5 Procedure I and client's request.

Test Procedure:

Step	Temperature ($^\circ\text{C}$)	Altitude (m)	Time (minutes)
1	25	0	—
2	25	0	30
3	25 \rightarrow 71	0 \rightarrow 2,500	46
4	71	2,500	60
5	71 \rightarrow -20	2,500	91
6	-20	2,500	60
7	-20 \rightarrow 25	2,500 \rightarrow 0	45
8	25	0	10
Test cycle: Total 1 cycle			

- Sample condition: Non-Operating
- Examine the appearance of the specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen(s) with rated power and examine whether the booting function of specimen could be work normally or not.

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Specimen:

Style/ Item No. : AV800/AVR800-X1A / SR2021031901006

Quantity : Total 1 piece

Test Result:

Check Item Style / Item No.	Appearance Check (visual check)	Functional Check
	No visible damage	Normal

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3. Operating Altitude 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, Taiwan.

Test Method/ Specification:

Test Method: MIL-STD-810G: 2008, Method 500.5 Procedure II and client's request.

Test Procedure:

Step	Temperature ($^\circ\text{C}$)	Altitude (m)	Time (minutes)
1	25	0	—
2	25	0	30
3	25 \rightarrow 55	0 \rightarrow 2,500	30
4	55	2,500	60
5	55 \rightarrow -20	2,500	75
6	-20	2,500	60
7	-20 \rightarrow 25	2,500 \rightarrow 0	45
8	25	0	10
Test cycle: Total 1 cycle			

- Sample condition: Operating
- Examine the appearance of the specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen(s) with rated power and examine whether the booting function of specimen could be work normally or not.

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Specimen:

Style / Item No. : AV800/AVR800-X1A / SR2021031901006

Quantity : Total 1 piece

Test Result:

Style / Item No.	Check Item	
	Appearance Check (visual check)	Functional Check
AV800/AVR800-X1A / SR2021031901006	No visible damage	Normal

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4. Blowing Dust Test:

Test Equipment:

Name	Brand	Model	Serial No.
Chamber	ACS	SD 8000 MIL	TT02038
Anemometer	INNPITRON	RG4000WS	FS22082507
Concentration meter	SICK	DHT-T00	16488579
DC Power Source	NF	KP3000GS	9174266

Lab Environmental Conditions:Ambient temperature: $(25 \pm 3) ^\circ\text{C}$ Ambient humidity: $(55 \pm 20) \% \text{ RH}$ Test Method/ Specification:

Test method: MIL-STD-810G: 2008, Method 510.5, Procedure I and client's request

Sample condition: 1. Operating at $(25 \pm 2) ^\circ\text{C}$ 2. Operating at $(55 \pm 2) ^\circ\text{C}$ Test temperature: 1. $(25 \pm 2) ^\circ\text{C}$ 2. $(55 \pm 2) ^\circ\text{C}$ Dust concentration: $(10.6 \pm 7) \text{ g/m}^3$

Air flow velocity: 8.9 m/s (1750 ft/ min) which is approximately 20 mph.

Test duration: 12 hours [6 hours for $(25 \pm 2) ^\circ\text{C}$ and 6 hours for $(55 \pm 2) ^\circ\text{C}$]

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen(s) with rated power and examine whether the booting function of specimen could be work normally or not.

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Specimen:

Style / Item No. : AV800/AVR800-X1A / SR2021031901006

Quantity : Total 1 piece

Test Result:

Style / Item No.	Check Item	
	Appearance Check (visual check)	Functional Check
AV800/AVR800-X1A / SR2021031901006	No visible damage	Normal







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Test Photos:

	
1. Appearance of specimen	2. Appearance of specimen
	
3. Non-operating Altitude Test--I / Non-operating Altitude Test--II	4. Non-operating Altitude Test--I / Non-operating Altitude Test--II
	
5. Operating Altitude Test	6. Operating Altitude Test

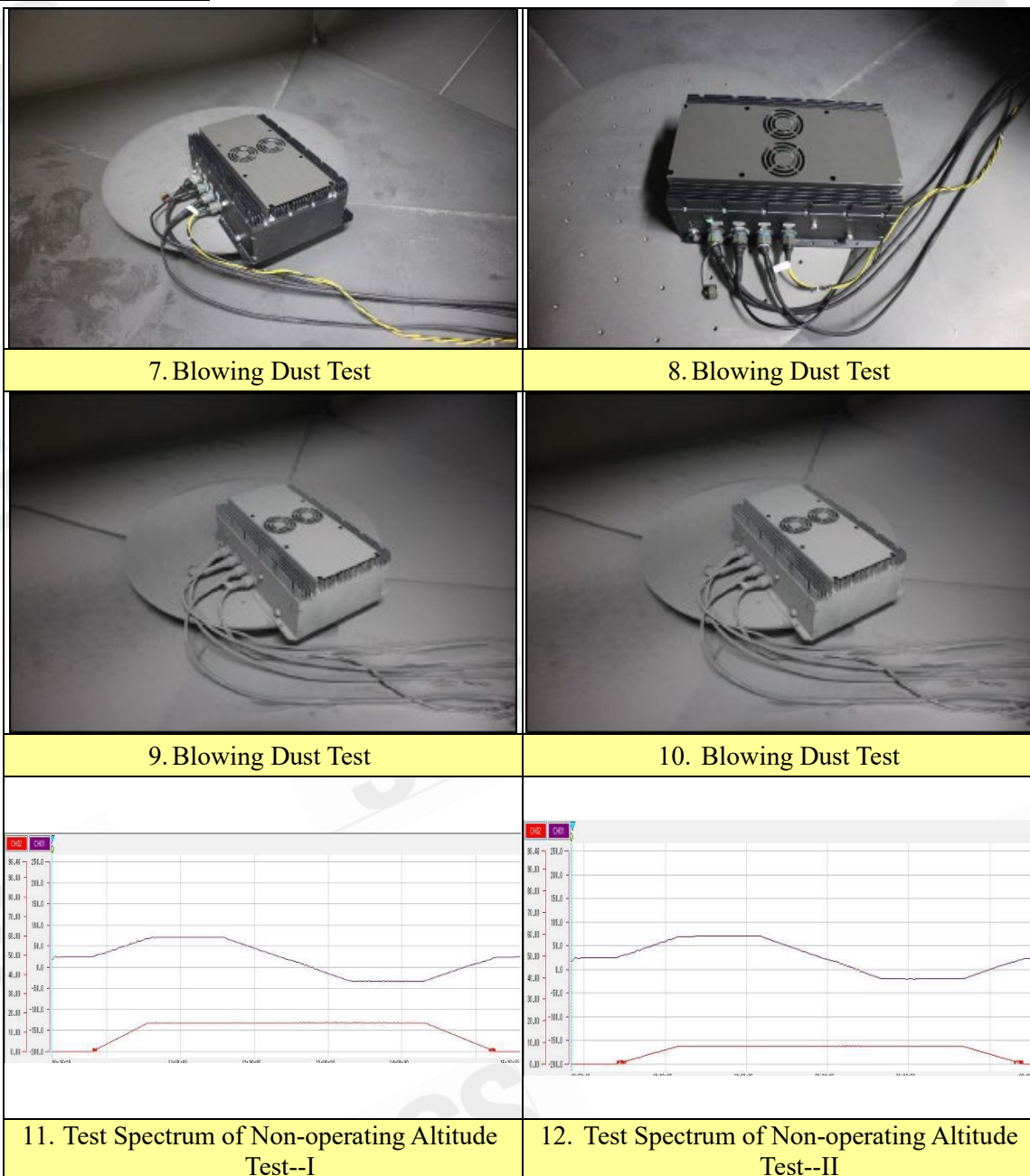
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Test Photos--Continued:



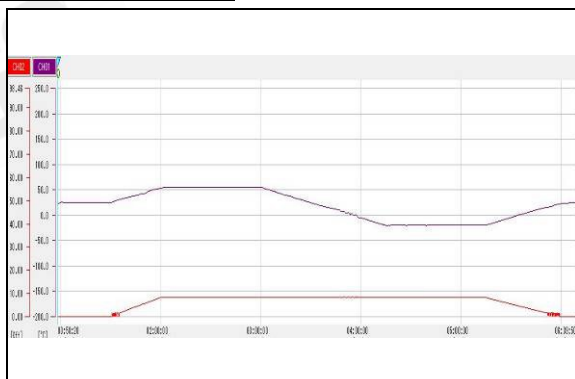
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Test Photos--Continued:



13. Test Spectrum of Operating Altitude Test



14. Functional Check

— — — The End of Test Report — — —

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