TEST REPORT

Report No.: EVT-F62-1001A
Issue Date: DEC.26,2023

Applicant : 7Starlake Co., Ltd.
2F., No.190, Sec. 2, Zhongxing Rd., Xindian Dist.,
New Taipei City 23146, Taiwan (R.O.C.)

Description : Sample Name Military Rugged GPU Server
Model Name AVR800-X1A

Date of Received AUG. 28, 2023
Date of Testing SEP. 03, 2023 ~ DEC. 25, 2023

Test Required : As requested by the applicant, please see following sheets in detail.

Conclusion :

Test Information	Q'ty	Test Result	Page
Please refer to page 2 for details.	1	Attached sheets	2

Certificate : TAF/ ilac-MRA Certificate of Independent Test Laboratory/ Approval Certificate No.: 1723

Testing Laboratory
1723

Authorized by:
On behalf of World Advance Co., Ltd

Casber Lu
Manager

Notes :

- This report is a non-quantitative test and does not include measurement uncertainty.
- This report refers only to the specimen(s) submitted to test, and is invalid as separately used.

Conclusion :

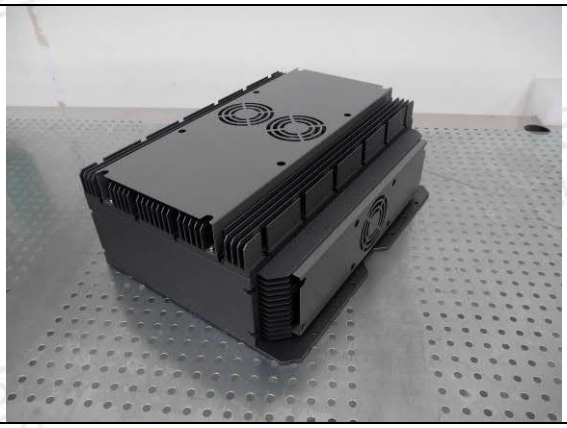
Test Item	Test Information	Q'ty	Test Result	Page
1	High Temperature Storage Test	1	PASS	4
2	High Temperature Operation Test	1	PASS	7
3	Low Temperature Storage Test	1	PASS	10
4	Low Temperature Operation Test	1	PASS	12
5	Humidity Test	1	PASS	14
6	Salt Fog Test	1	PASS	16
7	Degrees of protection provided by enclosures: IPX5	1	PASS	18
8	Packaged Commercial Aircraft Vibration Test	1	PASS	20
9	C-130(J/K) Aircraft Vibration Test	1	PASS	21
10	Ground Packaged Vibration Test	1	PASS	23
11	Tactical Transportation Vibration Test	1	PASS	24
12	Functional Vibration Test	1	PASS	27
13	Road Transportation Shock Test	1	PASS	29
14	Transit Drop Test	1	PASS	30
15	Bench Handling Test	1	PASS	32

Sample Description

Sample Name	Military Rugged GPU Server
Model Name	AVR800-X1A
Serial Number	SR2021031901006
Test Quantity	1
Unit Dimension	405 x 316 x 154 mm (L x D x H)
Unit Weight	15 kg
Function Check	Run BurnIn Test.

Package Dimension	630 x 510 x 310 mm (L x D x H)
Package Weight	25.74 kg

Remark	—

Appearance Photo of Unit -1	Appearance Photo of Unit -2
	

Operation Photo of Unit	Package Photo
	

1. High Temperature Storage Test

Test Date : SEP. 14, 2023

Test Equipment :
Apparatus name : Programmable Temperature & Humidity Chamber
Brand: A-LAB
Model : AL-KSTH-01501

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 501.7 procedure I and customer specification.

Test Condition :

Step	Temperature (°C)	Time of day (h : min)	Number of Cycle	Condition
1	+35	01:00	7	Non-Operation Function check before and after the test.
2	+34	02:00		
3	+34	03:00		
4	+33	04:00		
5	+33	05:00		
6	+33	06:00		
7	+36	07:00		
8	+40	08:00		
9	+44	09:00		
10	+51	10:00		

11	+56	11:00		
12	+63	12:00		
13	+69	13:00		
14	+70	14:00		
15	+71	15:00		
16	+70	16:00		
17	+67	17:00		
18	+63	18:00		
19	+55	19:00		
20	+48	20:00		
21	+41	21:00		
22	+39	22:00		
23	+37	23:00		
24	+35	24:00		

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

2. High Temperature Operation Test

Test Date : SEP. 21, 2023

Test Equipment :
Apparatus name : Programmable Temperature & Humidity Chamber
Brand : A-LAB
Model : AL-KSTH-01501

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 501.7 procedure II and customer specification.

Test Condition :

Step	Temperature (°C)	Time of day (h : min)	Number of Cycle	Condition
1	+35	01:00	3	Operation Function check before, after the test and at the maxium temp. of each one of 3 cycles.
2	+34	02:00		
3	+34	03:00		
4	+33	04:00		
5	+33	05:00		
6	+32	06:00		
7	+33	07:00		
8	+35	08:00		
9	+38	09:00		
10	+41	10:00		

11	+43	11:00		
12	+44	12:00		
13	+47	13:00		
14	+50	14:00		
15	+52	15:00		
16	+55	16:00		
17	+48	17:00		
18	+48	18:00		
19	+46	19:00		
20	+42	20:00		
21	+41	21:00		
22	+39	22:00		
23	+38	23:00		
24	+37	24:00		

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

3. Low Temperature Storage Test

Test Date : SEP. 26, 2023

Test Equipment :
Apparatus name : Programmable Temperature & Humidity Chamber
Brand : A-LAB
Model : AL-KSTH-08004

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 502.7 procedure I and customer specification.

Test Condition :

Step	Temperature (°C)	Duration (h : min)	Number of Cycles	Temp. Ramp (°C/min)	Condition
1	+25	00:05	1	2	Function Check
2	-33	72:00			Non-Operation
4	+25	00:05			Function Check

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

4. Low Temperature Operation Test

Test Date : SEP. 25, 2023

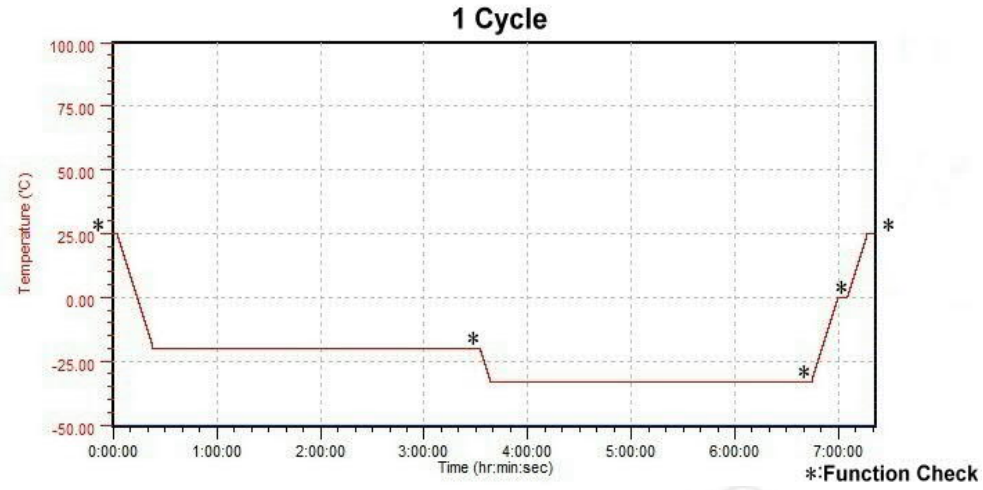
Test Equipment :
Apparatus name : Programmable Temperature & Humidity Chamber
Brand : A-LAB
Model : AL-KSTH-08004

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 502.7 procedure II and customer specification.

Test Condition :

Step	Temperature (°C)	Duration (h : min)	Number of Cycles	Temp. Ramp (°C/min)	Condition
1	+25	00:05	3	2	Function check before, after the test and at last 5 minutes of -20°C, -33°C and 0°C period.
2	-20	03:00			
4	-33	03:00			
5	0	00:05			
6	+25	00:05			



Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

5. Humidity Test

Test Date : SEP. 03, 2023

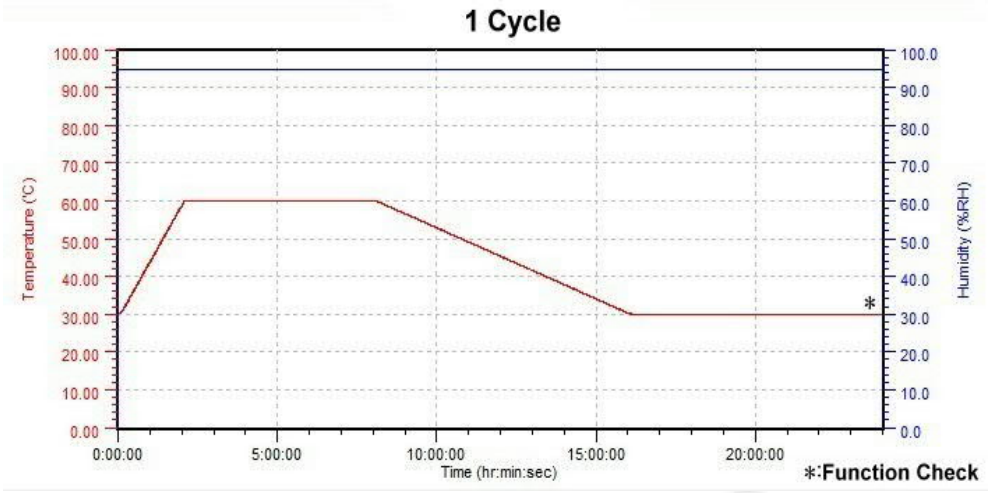
Test Equipment :
Apparatus name : Programmable Temperature & Humidity Chamber
Brand : A-LAB
Model : AL-KSTH-08004

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 507.6 procedure II and customer specification.

Test Condition :

Step	Temperature (°C)	Humidity (%RH)	Duration (h : min)	Number of Cycles	Condition
1	+30	95	00:10	1	Function check before, after the test and prior to end of the 5th and 10th cycle.
2	+30 to +60	95	02:00	10	
3	+60	95	06:00		
4	+60 to +30	95	08:00		
5	+30	95	08:00		



Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

6. Salt Fog Test

Test Date : DEC. 04, 2023

Test Equipment :
Apparatus name : Salt Spray Testing Chamber
Brand : A-LAB
Model : AL-GFSM-02701

Apparatus name : Programmable Temperature & Humidity Chamber
Brand : A-LAB
Model : AL-YLTH-08001

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 509.7 and customer specification.

Test Condition :

Step	Temp. (°C)	Salt Spray (%)	Humidity (%RH)	PH	Fallout Rate (ml/hr/80cm²)	Duration (h : min)	Number of Cycles	Condition
1	35	—	—	—	—	02:00	2	Non-Operation
2	35	5	—	6.5 ~ 7.2	1 ~ 3	24:00		
3	Room Temperature	—	＜50	—	—	24:00		

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit and connectors.
- The function is normal after the test.

7. Degrees of protection provided by enclosures: IPX5

Test Date : NOV. 28, 2023

Test Equipment :

Apparatus name : International Protection X1-9K System

Brand : ALAB

Model : AB-IPWT-X1TO9

Apparatus name : Programmable Temperature & Humidity Chamber

Brand : A-LAB

Model : AL-YLTH-08001

Laboratory Ambience Condition :

Temperature : 25 °C

Humidity : 60 %RH

Test Reference Document :

The test was performed with reference to IEC60529: 2019 and customer specification.

Test Condition :

Water Temperature (°C)	Conditioning Temperature (°C)	Conditioning Holding Time (h : min)
+22.4	+32.4	02:00

Item	Water jet hose nozzle (mm)	Water flow rate (L/min)	Distance (m)	Waterproof direction	Duration time
IPX5	6.3	12.5 ±5%	2.5 ~ 3	surface of enclosure	1 min/m² at least 3 min

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no trace of water inside.
- The function is normal after the test.

8. Packaged Commercial Aircraft Vibration Test

Test Date : DEC. 11, 2023

Test Equipment :
Apparatus name : Electromagnetism Vibration Test System
Brand : A-LAB
Model : AL-KDVI-2000

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 514.8 category 7. Jet aircraft cargo vibration- general exposure and customer specification.

Test Condition :
Random wave

Frequency (Hz)	PSD (G^2/Hz)	Grms	Direction (Axis)	Duration (h : min)	Condition
15 106 150 500 2000	0.01 0.01 0.02 0.02 0.0013	4.03	X Y Z	00:20 00:20 00:20	Packaged

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :
- There is no visible damage on the unit.
- The function is normal after the test.

9. C-130(J/K) Aircraft Vibration Test

Test Date : OCT. 31, 2023

Test Equipment :
Apparatus name : Electromagnetism Vibration Test System
Brand : A-LAB
Model : AL-KDVI-0600

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 514.8 category 7. C-130(J/K) aerial transportation vibration and customer specification.

Test Condition :
Random wave

Frequency (Hz)	PSD (G^2/Hz)	Grms	Direction (Axis)	Duration (h : min)	Condition
5 12 28 432 500 971 1106 1461 1529 2000	0.002812 0.002812 0.000419 0.000419 0.000177 0.000177 0.000349 0.000349 0.000187 0.000197	0.76	X Y Z	06:40 06:40 06:40	Unpacked Non-Operation

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

10. Ground Packaged Vibration Test

Test Date : DEC. 11, 2023

Test Equipment :

Apparatus name : Electromagnetism Vibration Test System

Brand : A-LAB

Model : AL-KDVI-2000

Laboratory Ambience Condition :

Temperature : 25 °C

Humidity : 60 %RH

Test Reference Document :

The test was performed with reference to MIL-STD-810H method 514.8 category 4. Ground transportation-common carrier and customer specification.

Test Condition :

Random wave

Frequency (Hz)	PSD (G^2/Hz)	Grms	Direction (Axis)	Duration (h : min)	Condition
5 40 120 121 200 240 266 500	0.015 0.015 0.002025 0.003 0.003 0.0015 0.000475 0.00015	1.17	X Y Z	03:10 03:10 03:10	Packaged

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

11. Tactical Transportation Vibration Test

Test Date : OCT. 30, 2023

Test Equipment :
Apparatus name : Electromagnetism Vibration Test System
Brand : A-LAB
Model : AL-KDVI-0600

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 514.8 category 7. Tactical transportation vibration and customer specification.

Test Condition :
Random wave

Frequency (Hz)	PSD (G^2/Hz)	Grms	Direction (Axis)	Duration (h : min)	Condition
5	0.042957	1.12	X	02:00	Unpacked Non-Operation
6	0.011799				
12	0.067922				
13	0.202557				
15	0.147065				
16	0.014014				
19	0.017844				
20	0.066407				
22	0.064492				
36	0.000118				
38	0.000118				
43	0.003833				
45	0.003833				
52	0.000047				
80	0.000047				
85	0.000189				
87	0.000185				
92	0.000055				

146 190 199 232 365 380 397 412 500	0.000055 0.002614 0.002573 0.00066 0.00066 0.001758 0.001758 0.000048 0.000004				
5 11 13 15 16 18 22 24 26 30 31 35 45 47 87 92 146 191 210 268 348 386 397 413 500	0.007363 0.011679 0.113665 0.113665 0.025428 0.025428 0.004349 0.001189 0.001189 0.007527 0.007527 0.000505 0.000505 0.000176 0.000176 0.000016 0.000016 0.001189 0.001189 0.0000038 0.0000038 0.000135 0.000135 0.000017 0.000017	0.80	Y	02:00	Unpacked Non-Operation
5 11 13 15 17 18 19 21 25 28	0.030709 0.047759 0.120143 0.110033 0.012507 0.012507 0.080906 0.082702 0.001069 0.001069	1.14	Z	1.14	Unpacked Non-Operation

30	0.005311				
32	0.005311				
36	0.000389				
38	0.000398				
42	0.006912				
45	0.006912				
47	0.002255				
154	0.000195				
190	0.005286				
200	0.005315				
231	0.000091				
257	0.000093				
282	0.0000094				
353	0.0000095				
360	0.000180				
399	0.000180				
410	0.000025				
500	0.000025				

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

12. Functional Vibration Test

Test Date : OCT. 30, 2023

Test Equipment :
Apparatus name : Electromagnetism Vibration Test System
Brand : A-LAB
Model : AL-KDVI-0600

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 514.8 category 7. Tactical functional vibration and customer specification.

Test Condition :
Random wave

Frequency (Hz)	PSD (G^2/Hz)	Grms	Direction (Axis)	Duration (h : min)	Condition
5	0.00025	0.09	X	02:00	Operation
7	0.00119				
9	0.00119				
15	0.00002				
27	0.00002				
30	0.00015				
35	0.00015				
40	0.0000094				
75	0.000007				
80	0.000002				
120	0.000002				
145	0.000007				
200	0.000001				

5 7 8 20 35 40 55 60 200	0.0004 0.0027 0.0027 0.00002 0.00002 0.0000009 0.0000009 0.000003 0.000001	0.10	Y	02:00	Operation
5 8 10 13 15 23 29 31 40 45 47 90 94 105 200	0.0004 0.0004 0.00008 0.00008 0.00001 0.00001 0.0006 0.0006 0.000002 0.000002 0.000015 0.000015 0.00006 0.00006 0.000003	0.09	Z	02:00	Operation

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	–	–

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

13. Road Transportation Shock Test

Test Date : NOV. 03, 2023

Test Equipment :

Apparatus name : Electromagnetism Vibration Test System

Brand : A-LAB

Model : AL-KDVI-0600

Laboratory Ambience Condition :

Temperature : 25 °C

Humidity : 60 %RH

Test Reference Document :

The test was performed with reference to MIL-STD-810H method 516.8 procedure II and customer specification.

Test Condition :

Pulse Shapes	Acceleration (G)	Pulse width (ms)	Direction (axis)	Number of Shocks	Condition
Terminal Peak Sawtooth	10	11	±X, ±Y, ±Z	18 (3 shocks for each ±axis)	Operation

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	–	–

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

14. Transit Drop Test

Test Date : DEC. 14, 2023

Test Equipment :
Apparatus name : Free Fall Drop Tester
Brand : A-LAB
Model : AL-KDDP

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 516.8 procedure IV and customer specification.

Test Condition :

Drop height : 122 cm
Drop position: Each face, edge and corner (total of 26 drops)
Test surface: 2" plywood over concrete

1	2	3	4	5	6	7	8	9	10
									
11	12	13	14	15	16	17	18	19	20
									
21	22	23	24	25	26	Test sequence : 1,2,3,4,5……,26			
									

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

- There is no visible damage on the unit.
- The function is normal after the test.

15. Bench Handling Test

Test Date : DEC. 25, 2023

Test Equipment :
Apparatus name : Free Fall Drop Tester
Brand : A-LAB
Model : AL-KDDP

Laboratory Ambience Condition :
Temperature : 25 °C
Humidity : 60 %RH

Test Reference Document :
The test was performed with reference to MIL-STD-810H method 516.8 procedure VI and customer specification.

Test Condition :
Drop height : Using one edge as a pivot, lift the opposite edge of the chassis until one the following conditions occurs (whichever occurs first).

a. The lifted edge of the chassis has been raised 100mm (4 in.) above the horizontal bench top.
b. The chassis forms an angle 45° with the horizontal bench top.
c. The lifted edge of the chassis is just below the point of perfect balance.

Drop position: Resting on the base face and 2 other side faces (Flat faces, without connectors), using practical edges of the same horizontal face for 4 drops. (total of 12 drops)

Test surface: 4.25cm (1.675 in.) solid wooden bench top.
After test, perform a visual and functional test.

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
Military Rugged GPU Server / AVR800-X1A / S/N: SR2021031901006	V	—	—

Test Criteria :

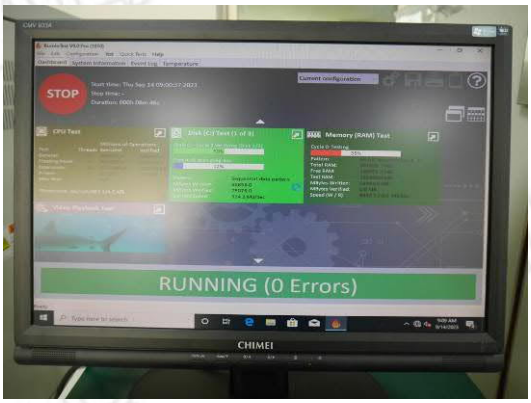
- There is no visible damage on the unit.
- The function is normal after the test.

Test photo：

1 High Temperature Storage Test

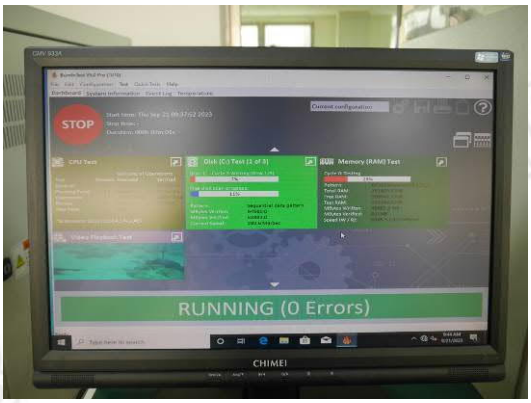
1-1 Before Test -1

1-2 Before Test -2



1-3 After Test -1

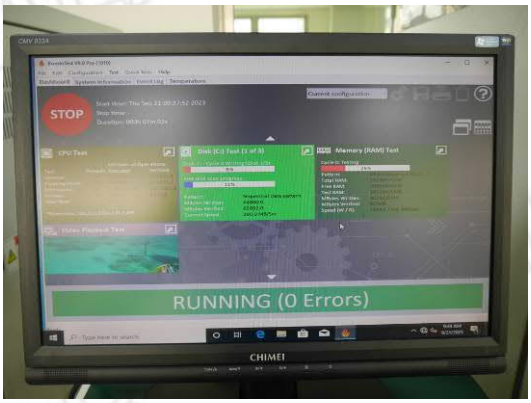
1-4 After Test -2



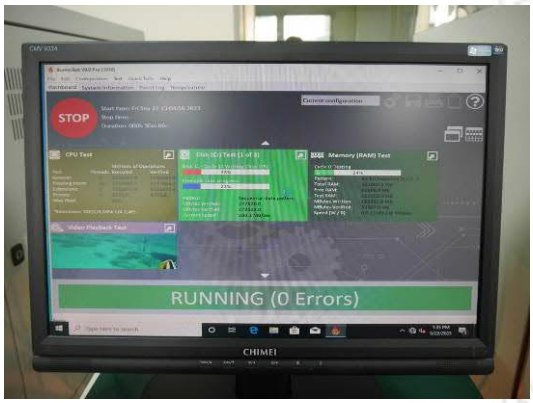
2 High Temperature Operation Test

2-1 Before Test -1

2-2 Before Test -2

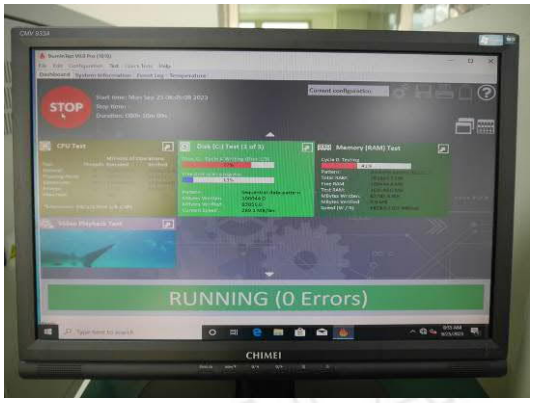


2-3 Testing



2-4 After Test -1

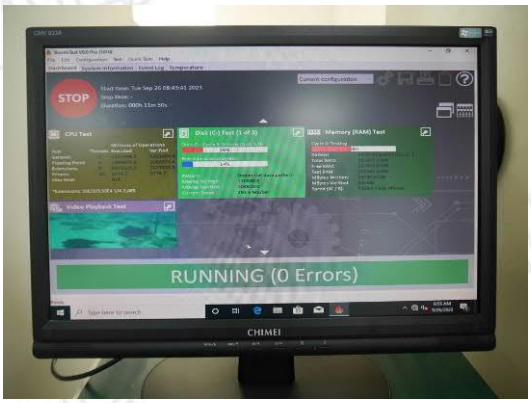
2-5 After Test -2



3 Low Temperature Storage Test

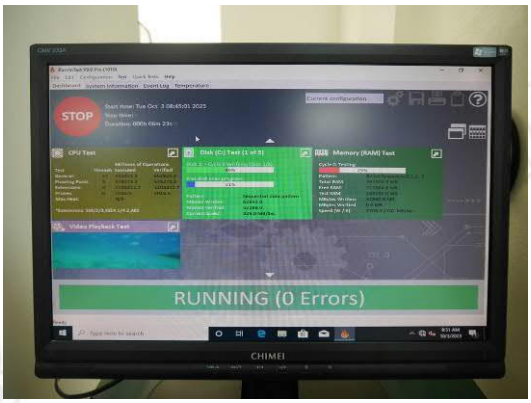
3-1 Before Test -1

3-2 Before Test -2



3-3 After Test -1

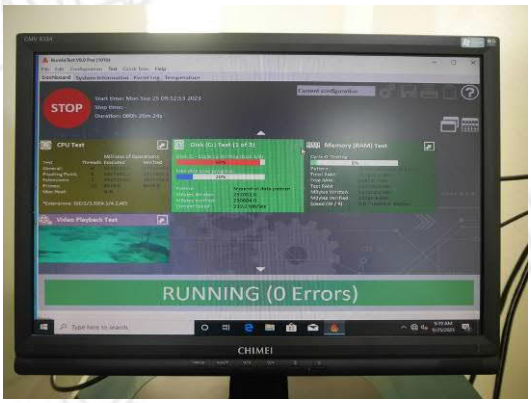
3-4 After Test -2



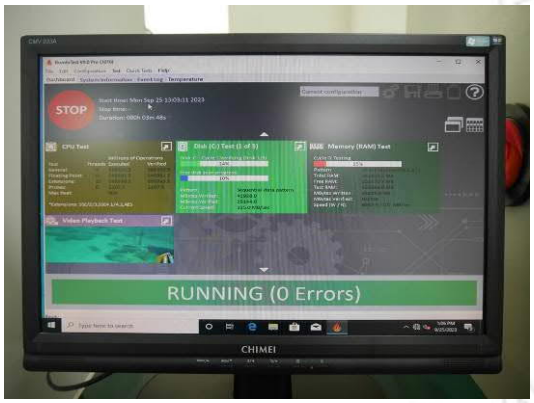
4 Low Temperature Operation Test

4-1 Before Test -1

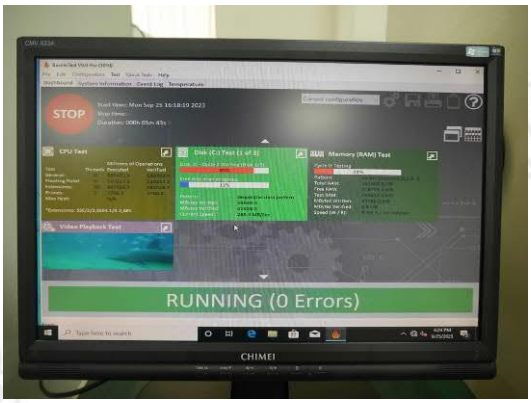
4-2 Before Test -2



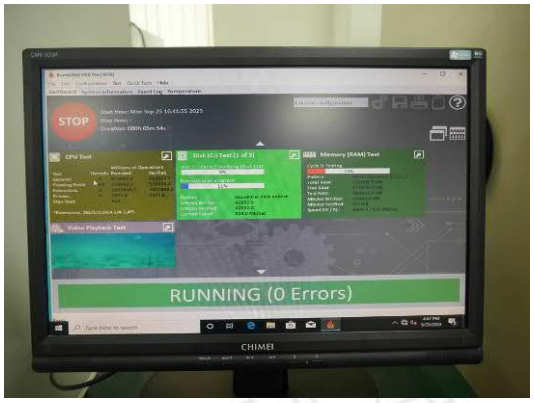
4-3 Testing: -20 °C



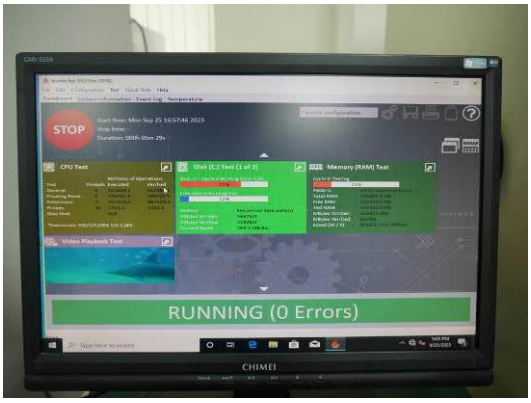
4-4 Testing: -33 °C



4-5 Testing: 0 °C

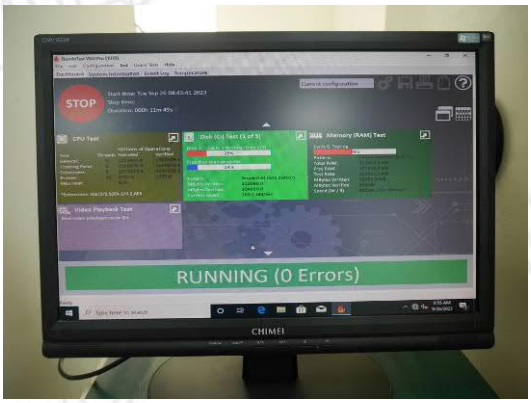


4-6 Testing: +25 °C



4-7 After Test -1

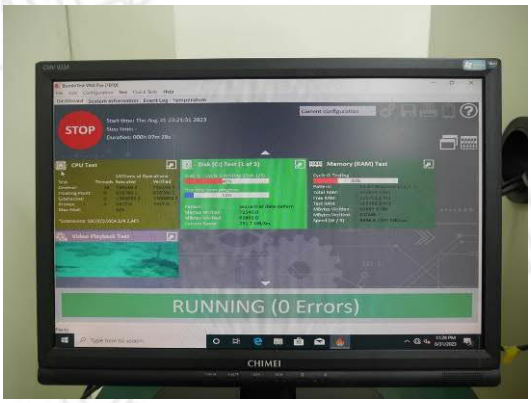
4-8 After Test -2



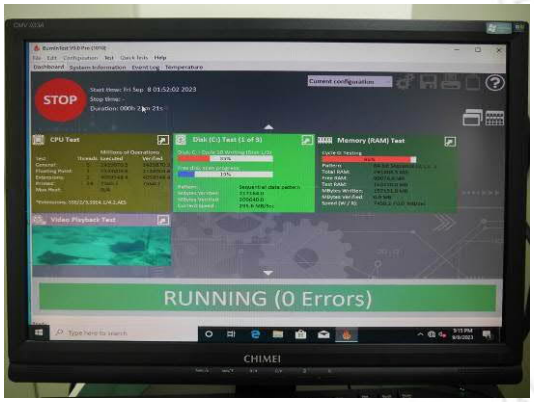
5 Humidity Test

5-1 Before Test -1

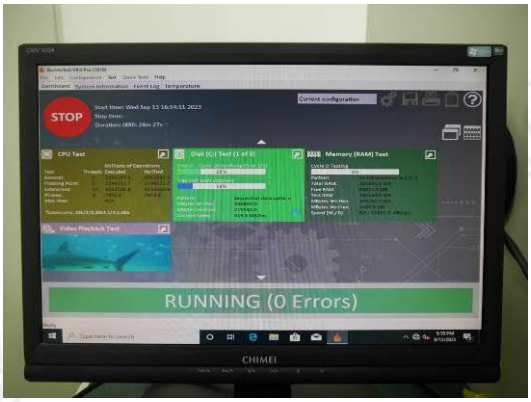
5-2 Before Test -2



5-3 Testing: 5th cycle

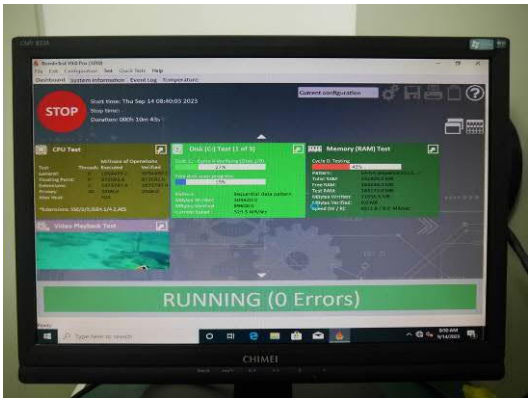


5-4 Testing: 10th cycle



5-5 After Test -1

5-6 After Test -2



6 Salt Fog Test

6-1 Before Test

6-2 After Salt Spray

6-3 Drying Period -1

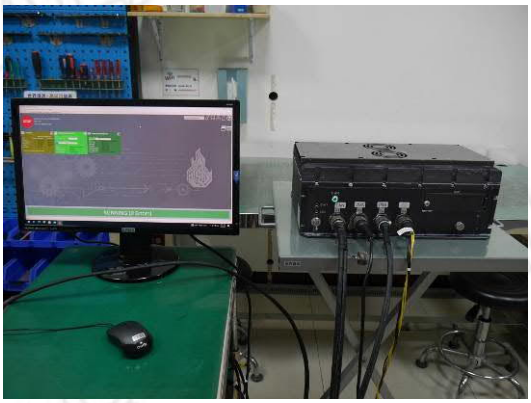
6-4 Drying Period -2

6-5 After Test -1

6-6 After Test -2

6-7 After Test -3

6-8 After Test -4



7 Degrees of protection provided by enclosures: IPX5

7-1 Water Temperature

7-2 Conditioning Temperature

7-3 Conditioning

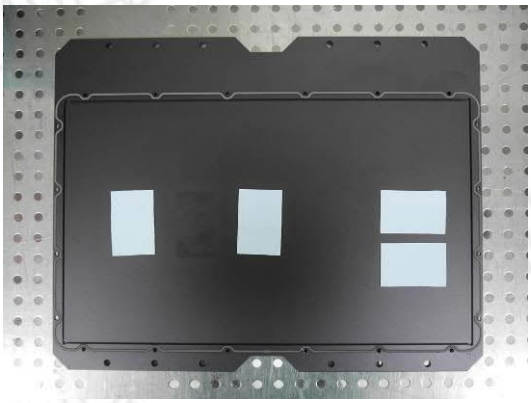
7-4 IPX5 Before Test

7-5 Testing -1

7-6 Testing -2

7-7 After Test -1

7-8 After Test -2

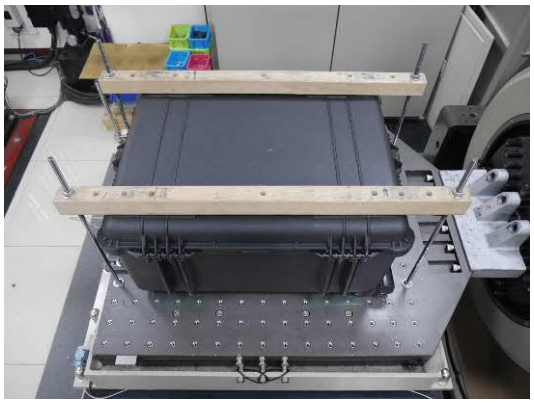


7-9 After Test -3

7-10 After Test -4

8 Packaged Commercial Aircraft Vibration Test

8-1 X axis: Before Test



8-2 X axis: After Test

8-3 Y axis: Before Test

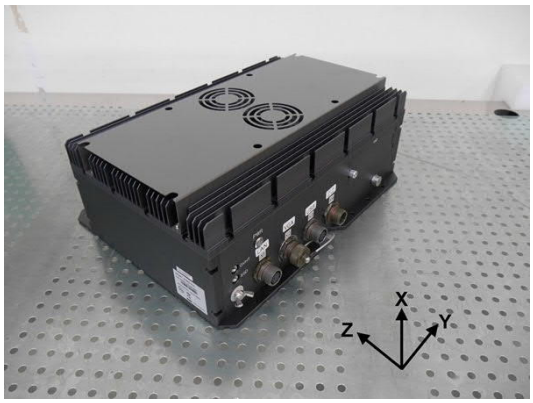
8-4 Y axis: After Test

8-5 Z axis: Before Test

8-6 Z axis: After Test

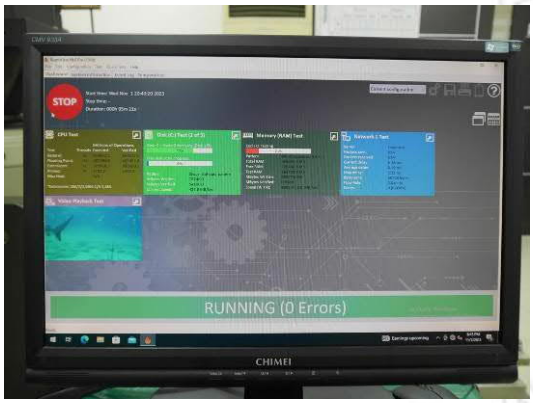
9 C-130(J/K) Aircraft Vibration Test

9-1 Direction

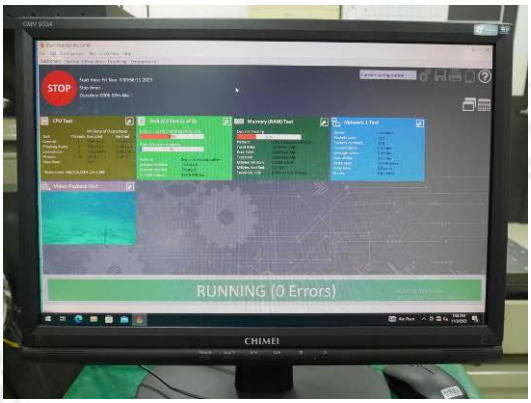


9-2 X axis: Before Test -1

9-3 X axis: Before Test -2

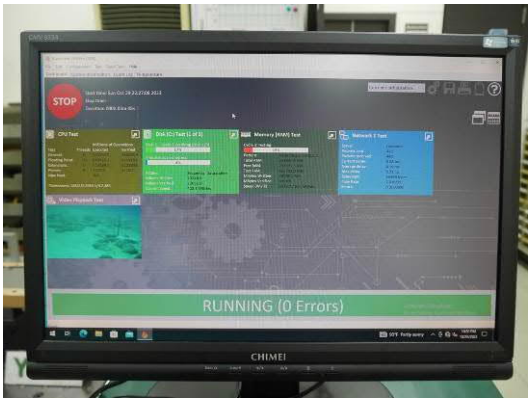


9-4 X axis: After Test

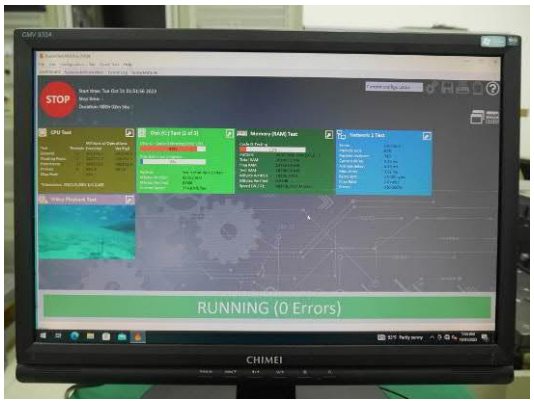


9-5 Y axis: Before Test -1

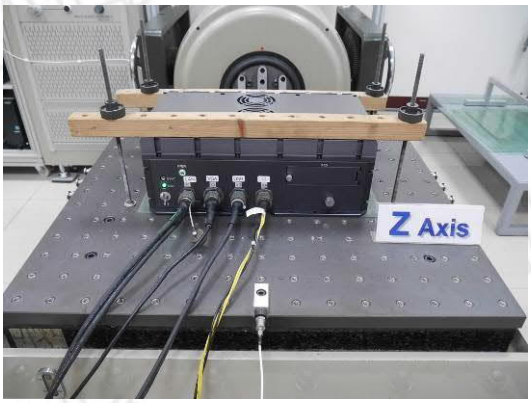
9-6 Y axis: Before Test -2



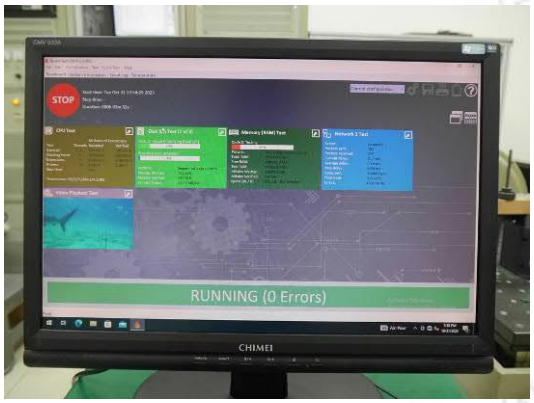
9-7 Y axis: After Test



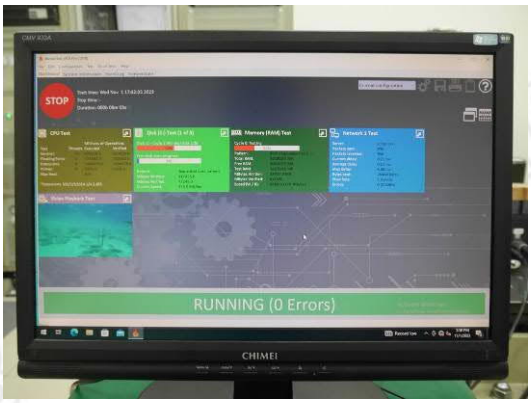
9-8 Z axis: Before Test -1



9-9 Z axis: Before Test -2

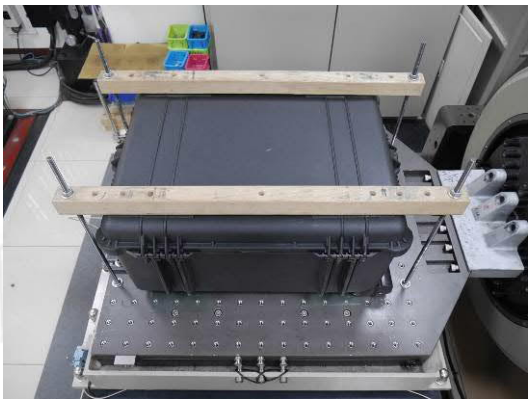


9-10 Z axis: After Test

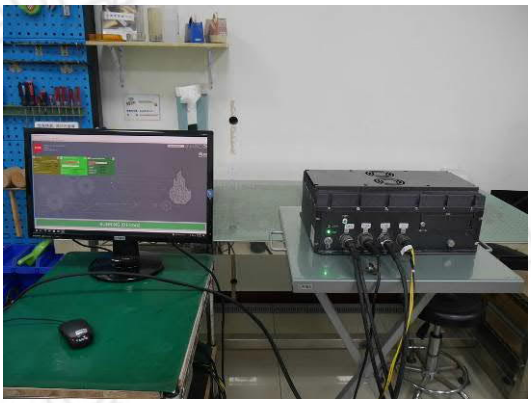


10 Ground Packaged Vibration Test

10-1 X axis: Before Test



10-2 X axis: Before Test -2



10-3 Y axis: Before Test

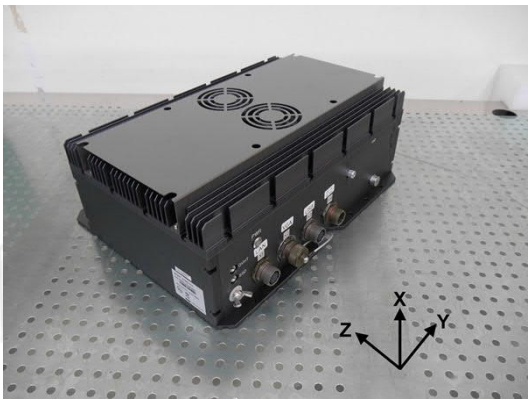
10-4 Y axis: After Test

10-5 Z axis: Before Test

10-6 Z axis: After Test

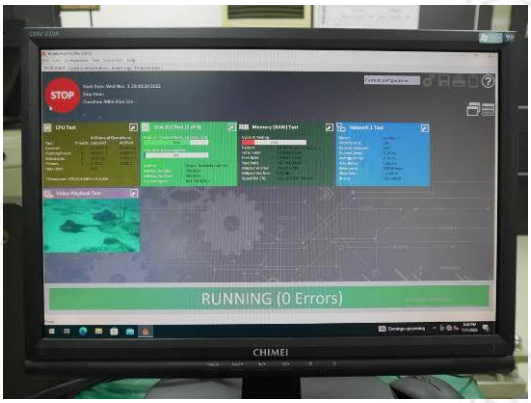
11 Tactical Transportation Vibration Test

11-1 Direction

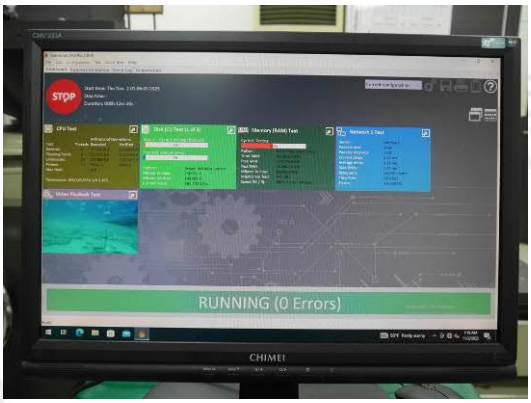


11-2 X axis: Before Test -1

11-3 X axis: Before Test -2

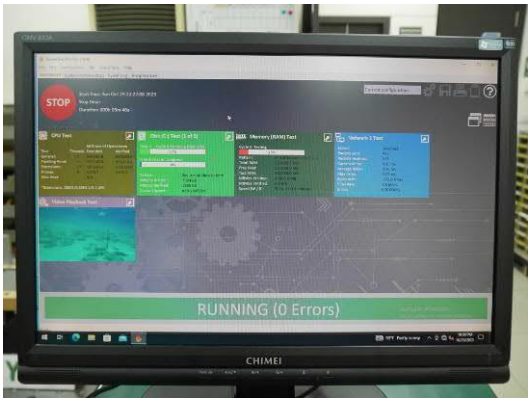


11-4 X axis: After Test

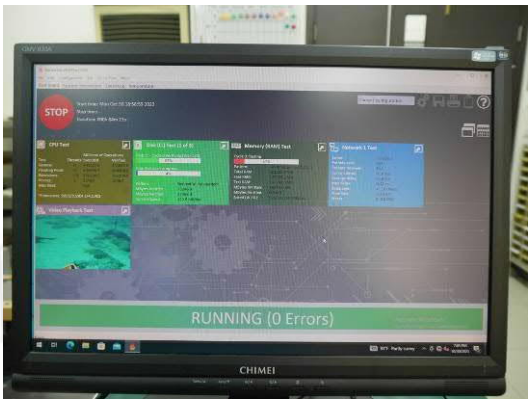


11-5 Y axis: Before Test -1

11-6 Y axis: Before Test -2



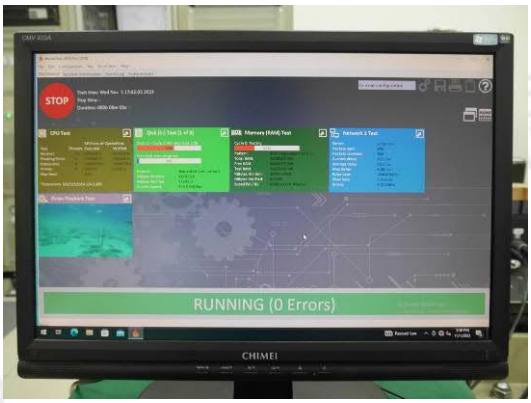
11-7 Y axis: After Test



11-8 Z axis: Before Test -1

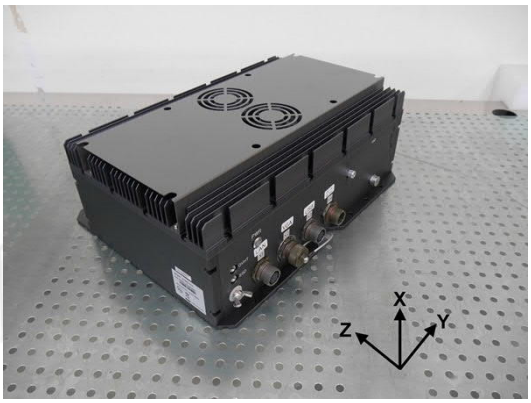
11-9 Z axis: Before Test -2

11-10 Z axis: After Test



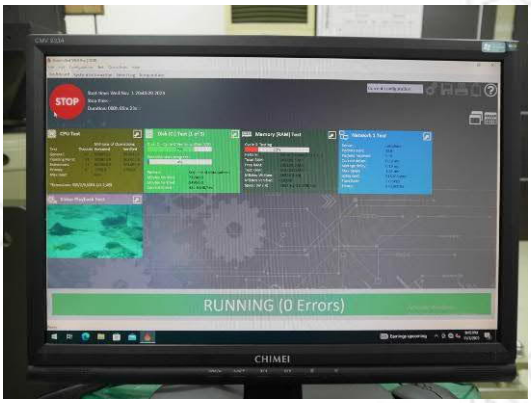
12 Functional Vibration Test

12-1 Direction

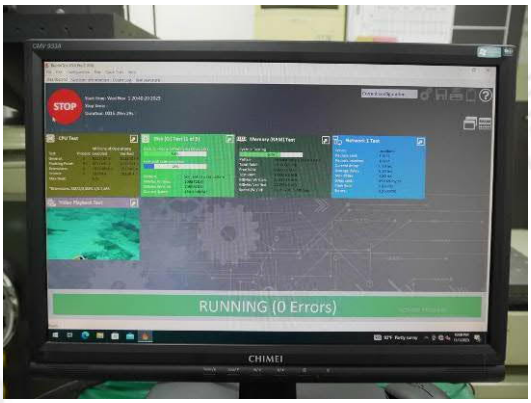


12-2 X axis: Before Test -1

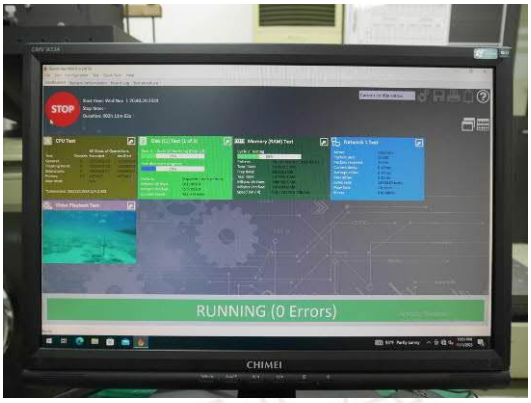
12-3 X axis: Before Test -2



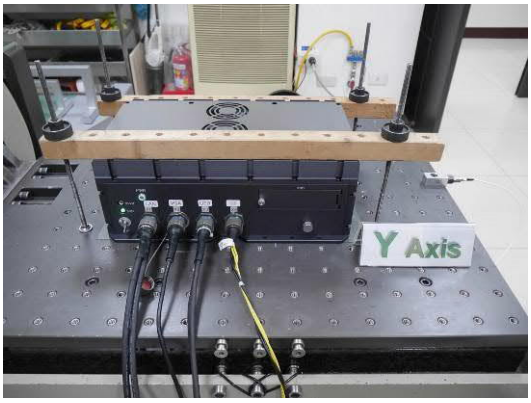
12-4 X axis: Testing



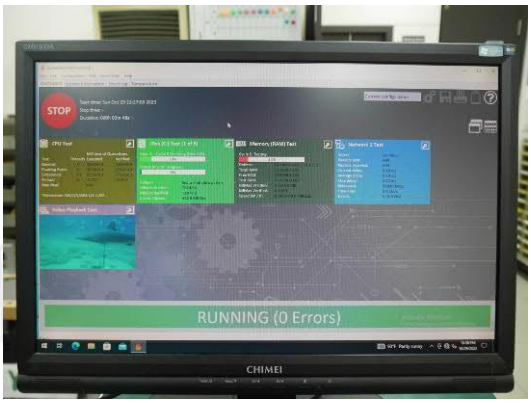
12-5 X axis: After Test



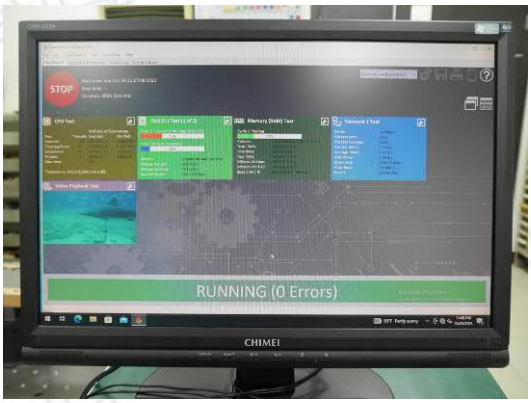
12-6 Y axis: Before Test -1



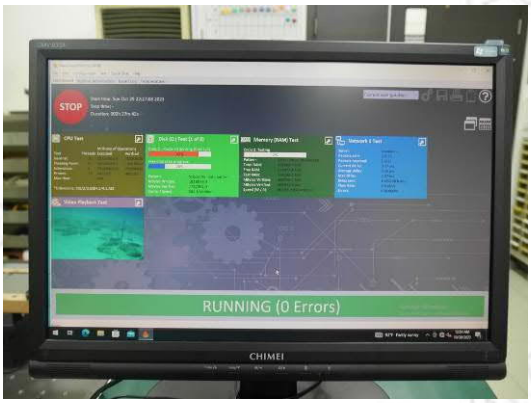
12-7 Y axis: Before Test -2



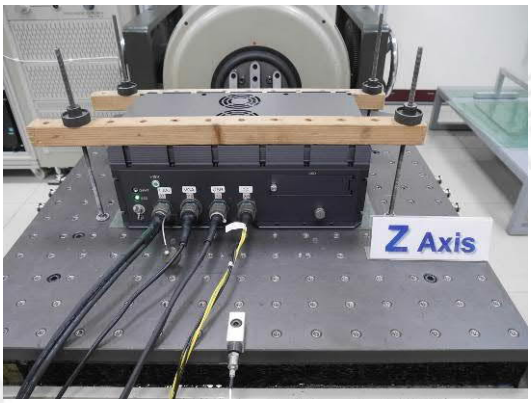
12-8 axis: Testing



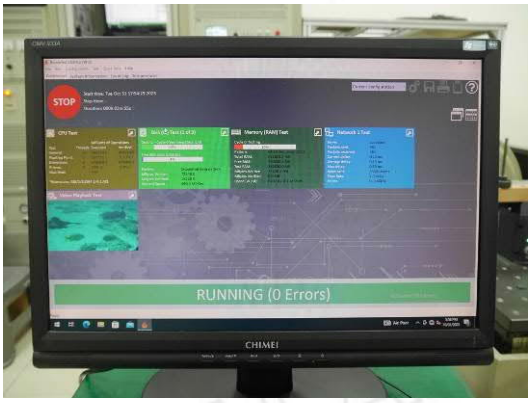
12-9 Y axis: After Test



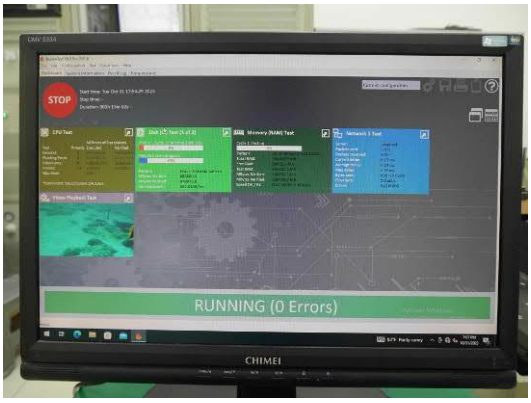
12-10 Z axis: Before Test -1



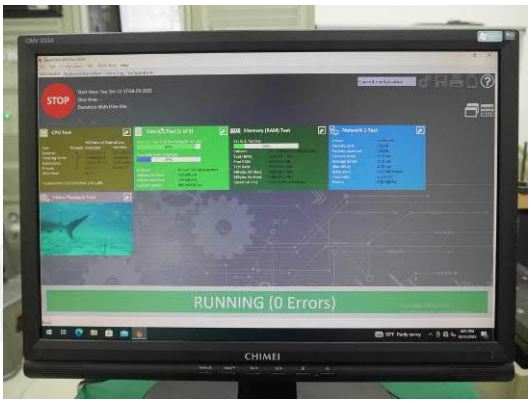
12-11 Z axis: Before Test -2



12-12 Z axis: Testing

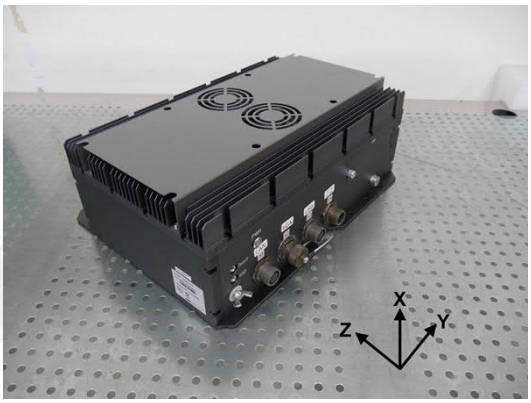


12-13 Z axis: After Test

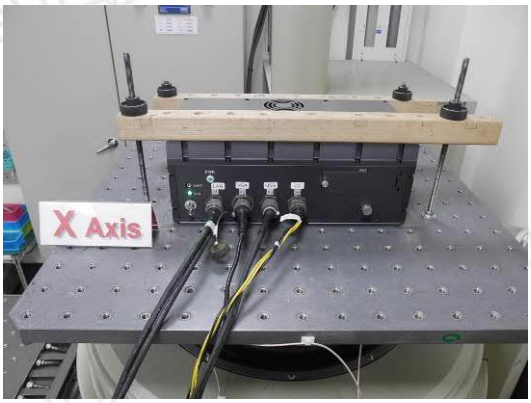


13 Road Transportation Shock Test

13-1 Direction

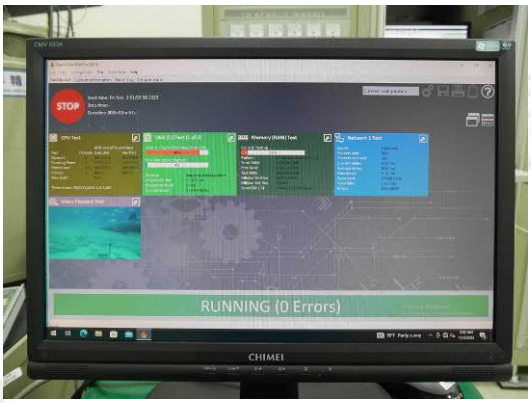


13-2 X axis: Before Test -1

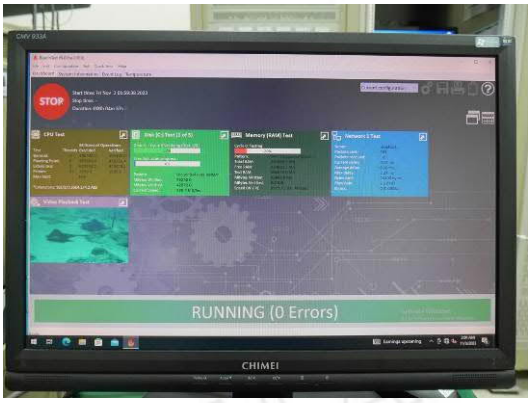


13-3 X axis: Before Test -2

13-4 X axis: Testing

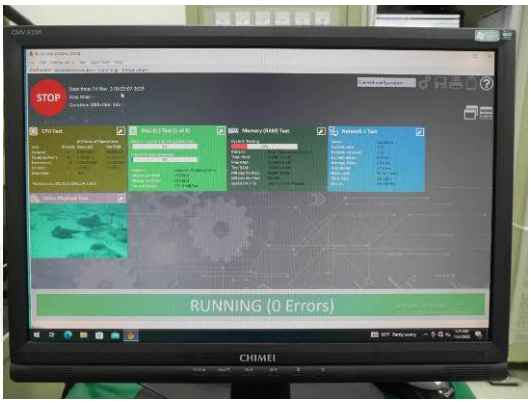


13-5 X axis: After Test

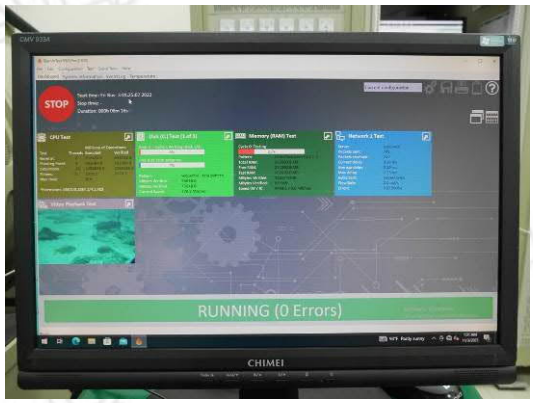


13-6 Y axis: Before Test -1

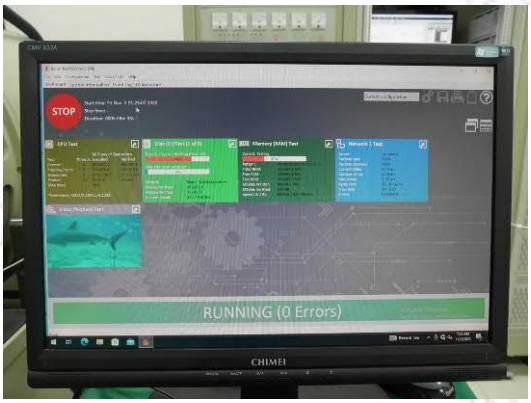
13-7 Y axis: Before Test -2



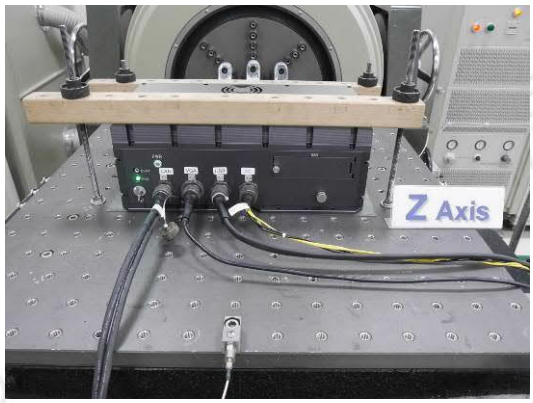
13-8 Y axis: Testing



13-9 Y axis: After Test

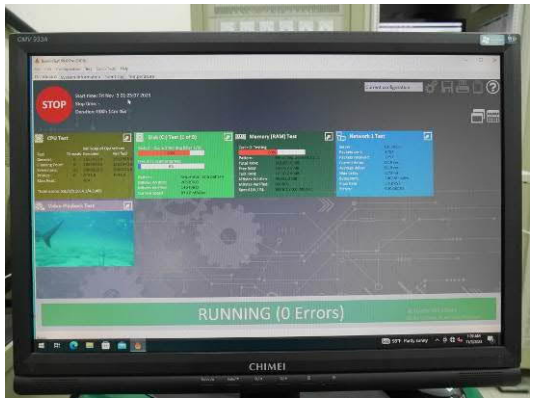


13-10 Z axis: Before Test -1

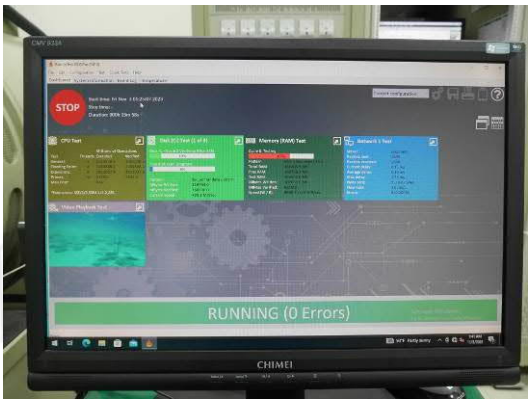


13-11 Z axis: Before Test -2

13-12 Z axis: Testing

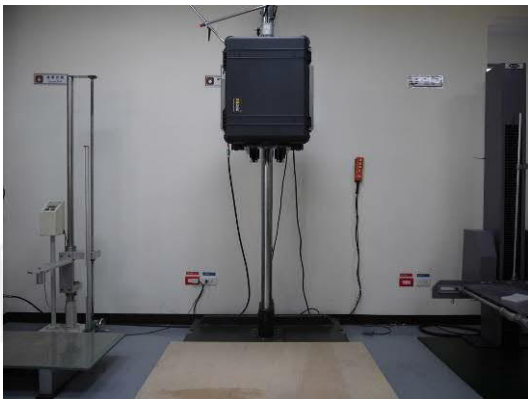


13-13 Z axis: After Test



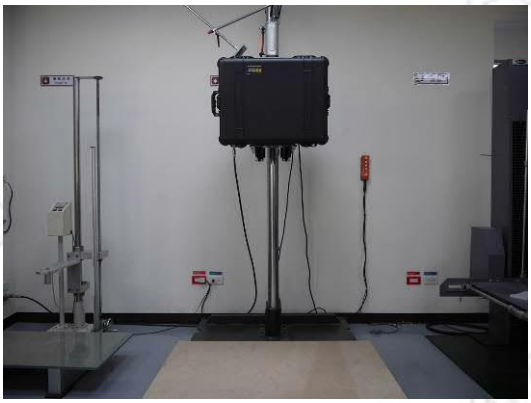
14 Transit Drop Test

14-1 Drop -1

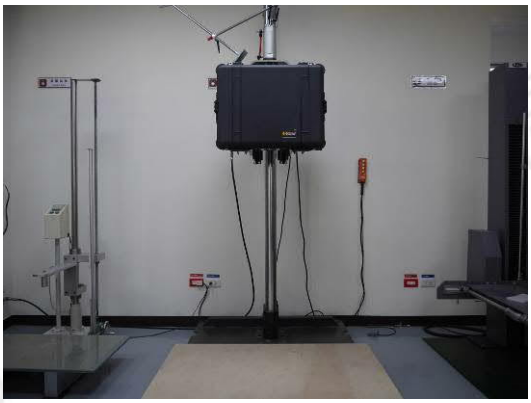


14-2 Drop -2

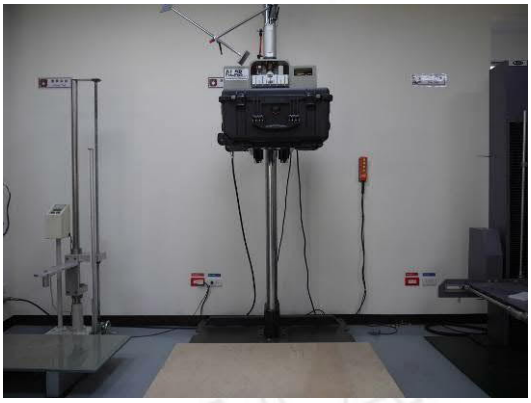
14-3 Drop -3



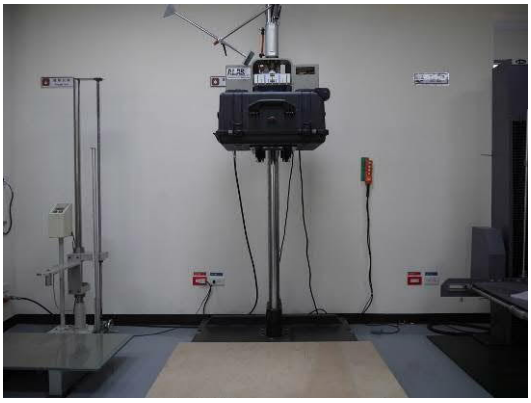
14-4 Drop -4



14-5 Drop -5



14-6 Drop -6



14-7 Drop -7

14-8 Drop -8

14-9 Drop -9

14-10 Drop -10

14-11 Drop -11

14-12 Drop -12

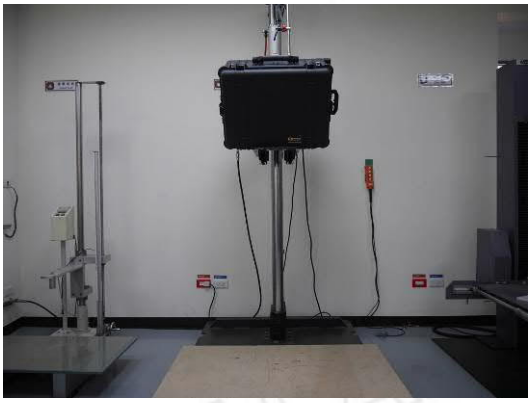
14-13 Drop -13

14-14 Drop -14

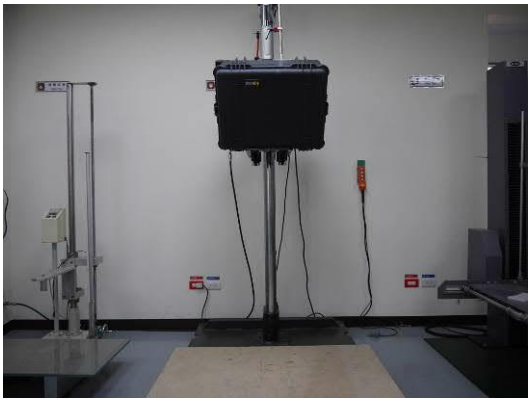
14-15 Drop -15

14-16 Drop -16

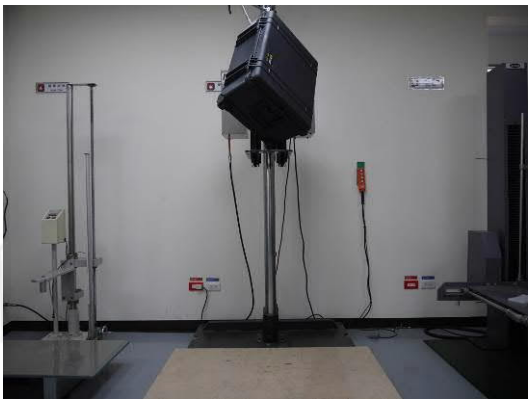
14-17 Drop -17



14-18 Drop -18



14-19 Drop -19



14-20 Drop -20

14-21 Drop -21

14-22 Drop -22

14-23 Drop -23

14-24 Drop -24

14-25 Drop -25

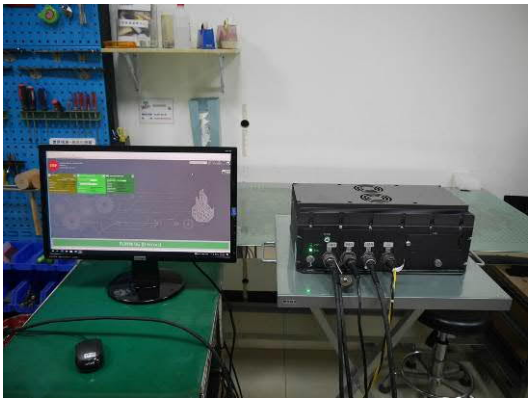
14-26 Drop -26

14-27 After Test -1

14-28 After Test -2

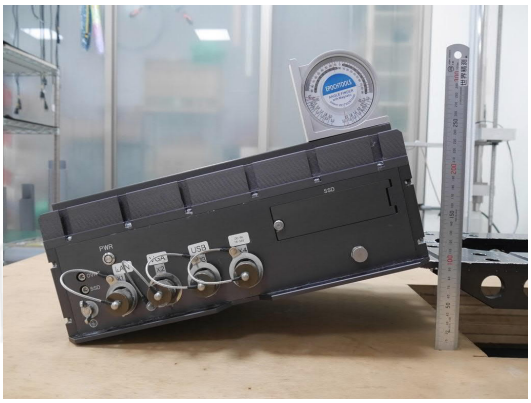
14-29 After Test -2

14-30 After Test -2

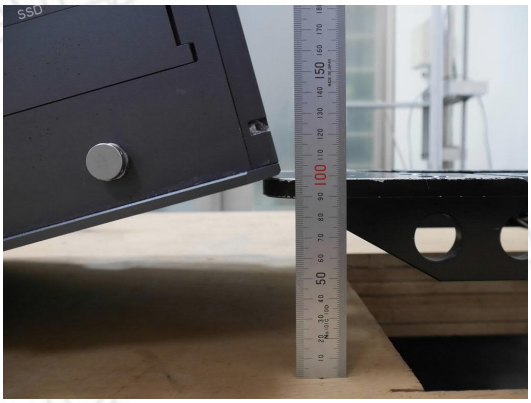


15 Bench Handling Test

15-1 1st edge of the base face -1



15-2 1st edge of the base face -2

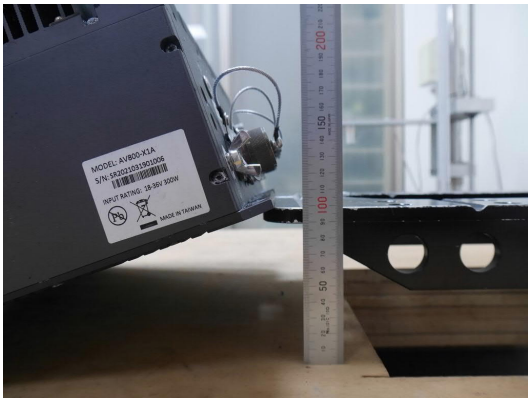


15-3 2nd edge of the base face -1

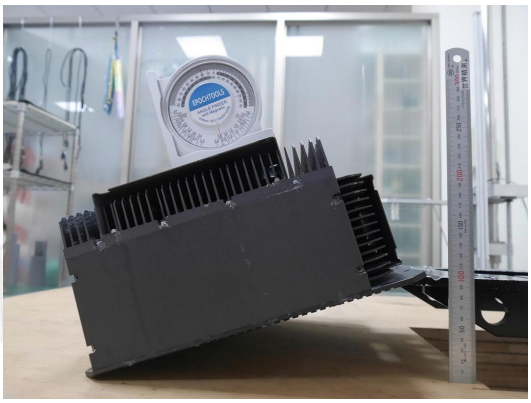
15-4 2nd edge of the base face -2

15-5 3rd edge of the base face -1

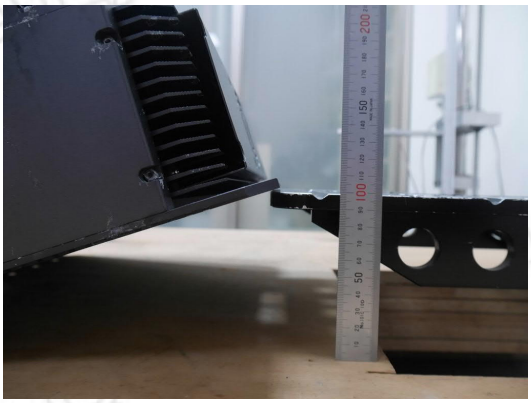
15-6 3rd edge of the base face -2



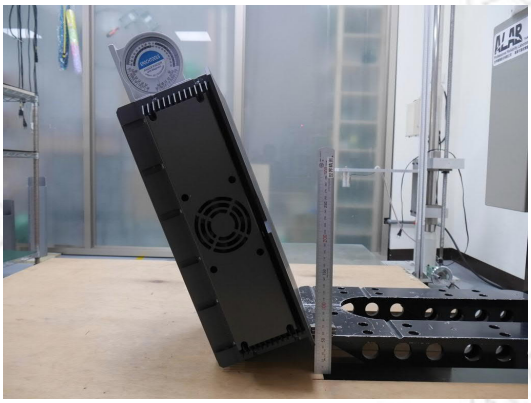
15-7 4th edge of the base face -1



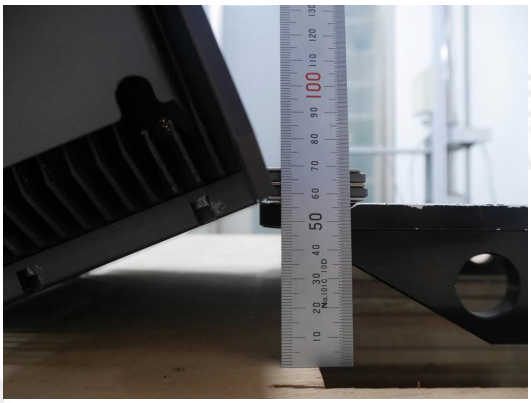
15-8 4th edge of the base face -2



15-9 1st edge of the left face -1

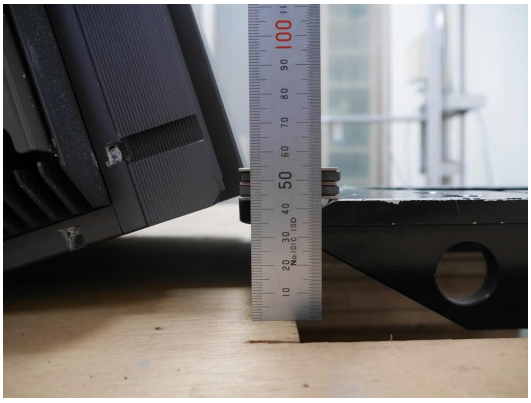


15-10 1st edge of the left face -2

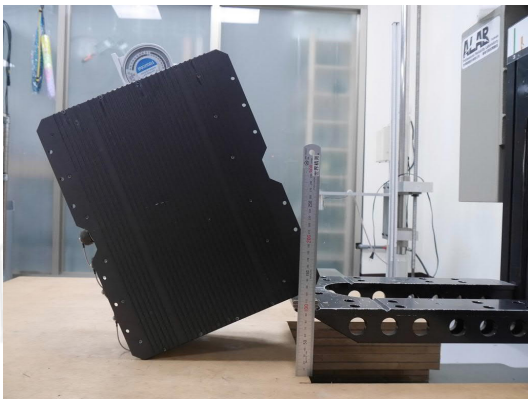


15-11 2nd edge of the left face -1

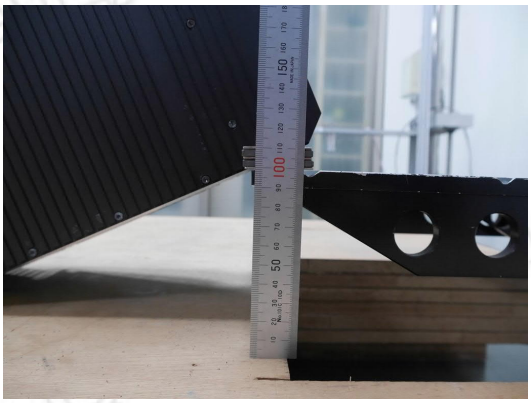
15-12 2nd edge of the left face -2



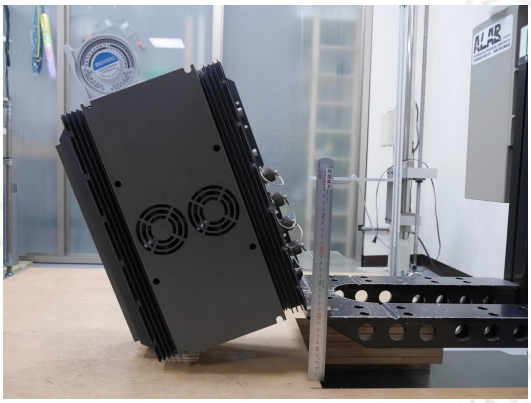
15-13 3rd edge of the left face -1



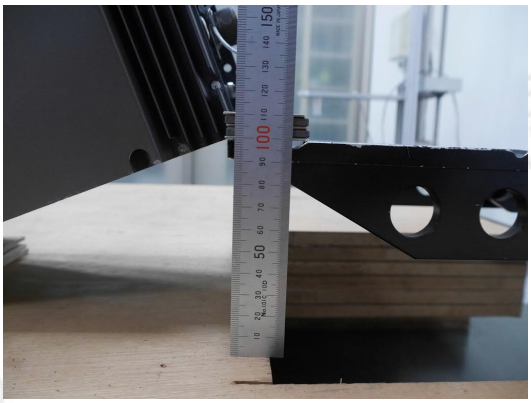
15-14 3rd edge of the left face -2



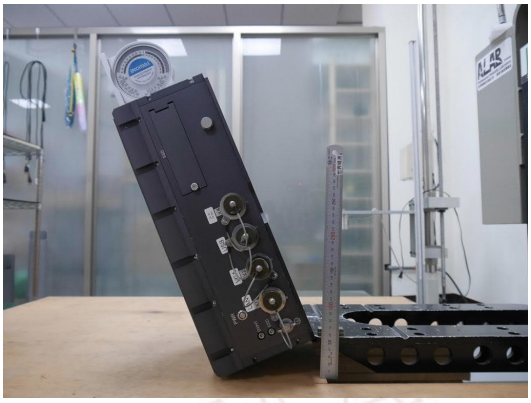
15-15 4th edge of the left face -1



15-16 4th edge of the left face -2



15-17 1st edge of the right face -1

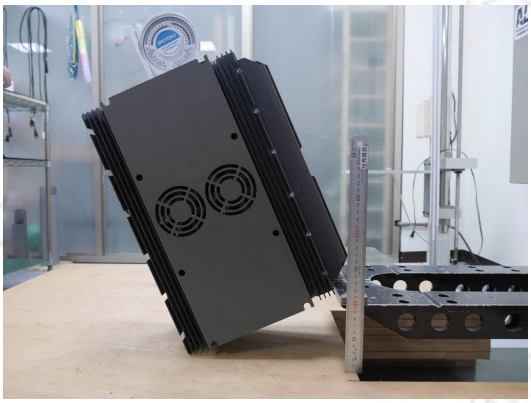


15-18 1st edge of the right face -2

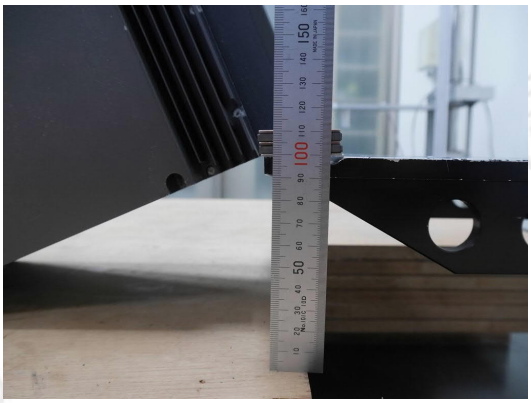
15-19 2nd edge of the right face -1

15-20 2nd edge of the right face -2

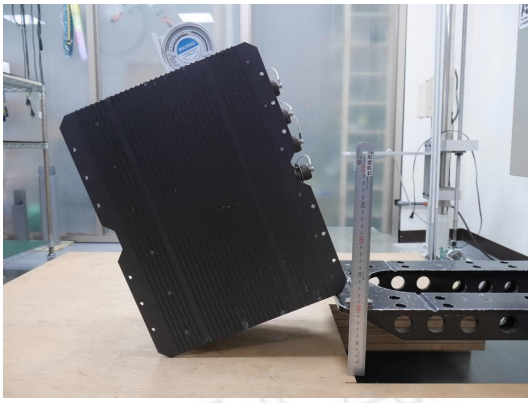
15-21 3rd edge of the right face -1



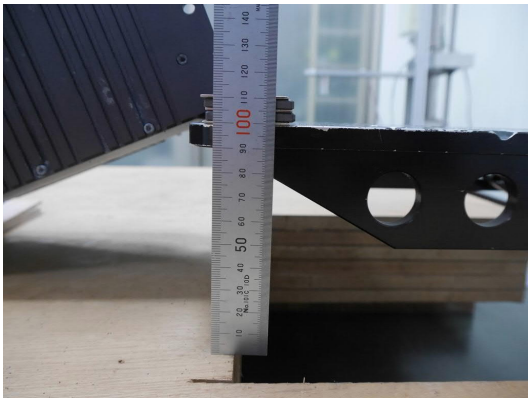
15-22 3rd edge of the right face -2



15-23 4th edge of the right face -1

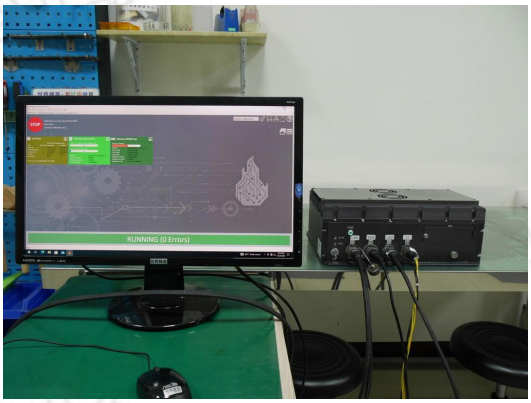


15-24 4th edge of the right face -2



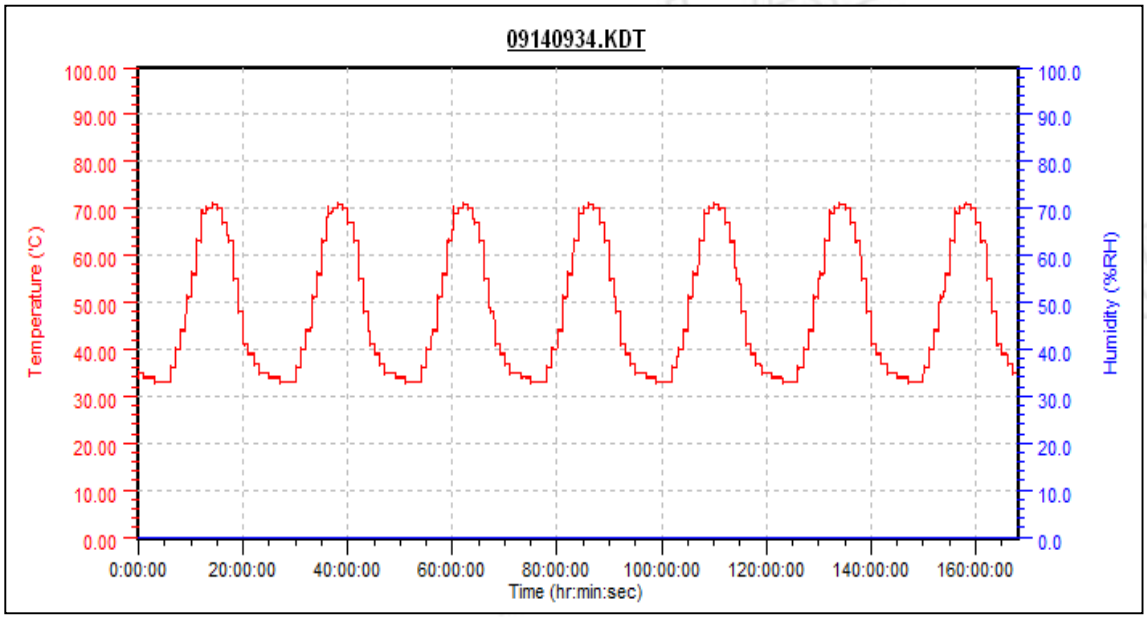
15-25 After Test -1

15-26 After Test -2

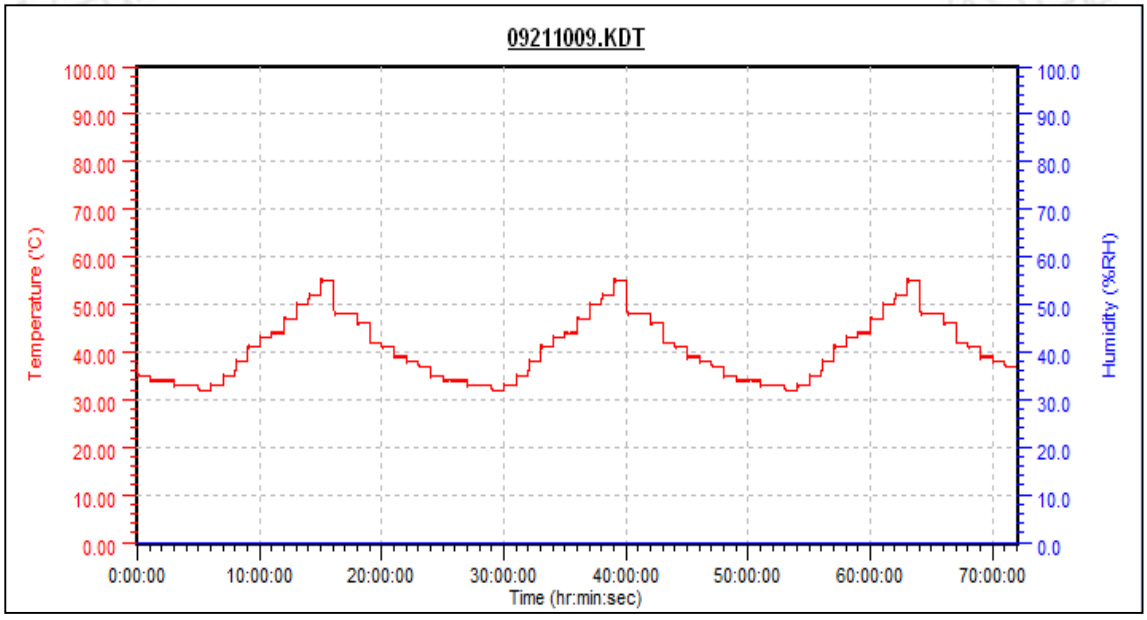


Test Profile：

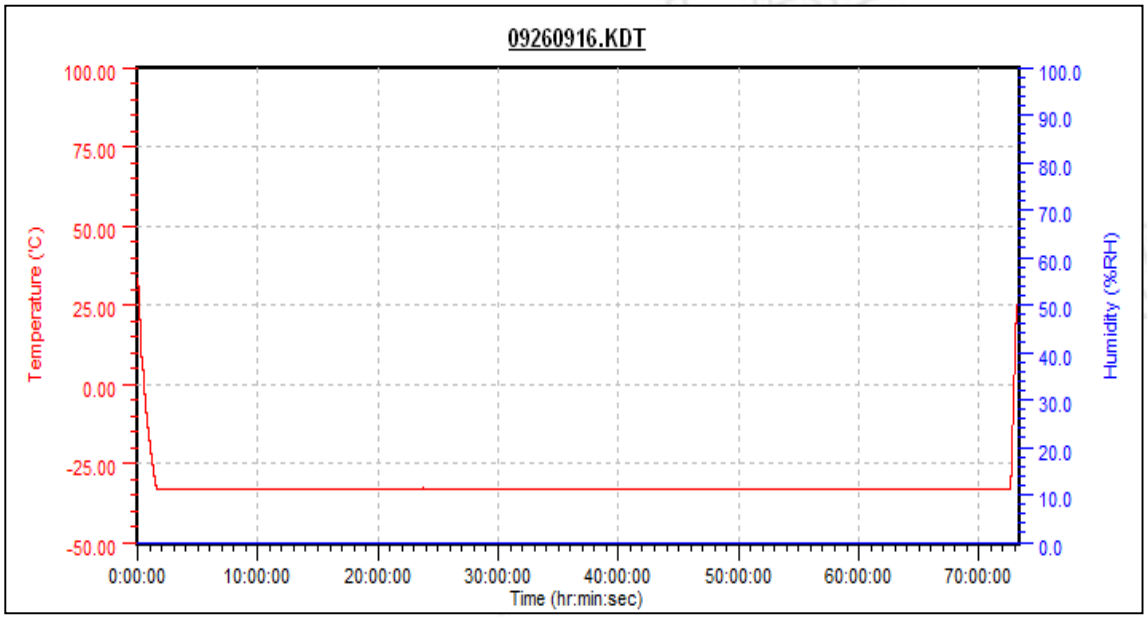
1 High Temperature Storage Test



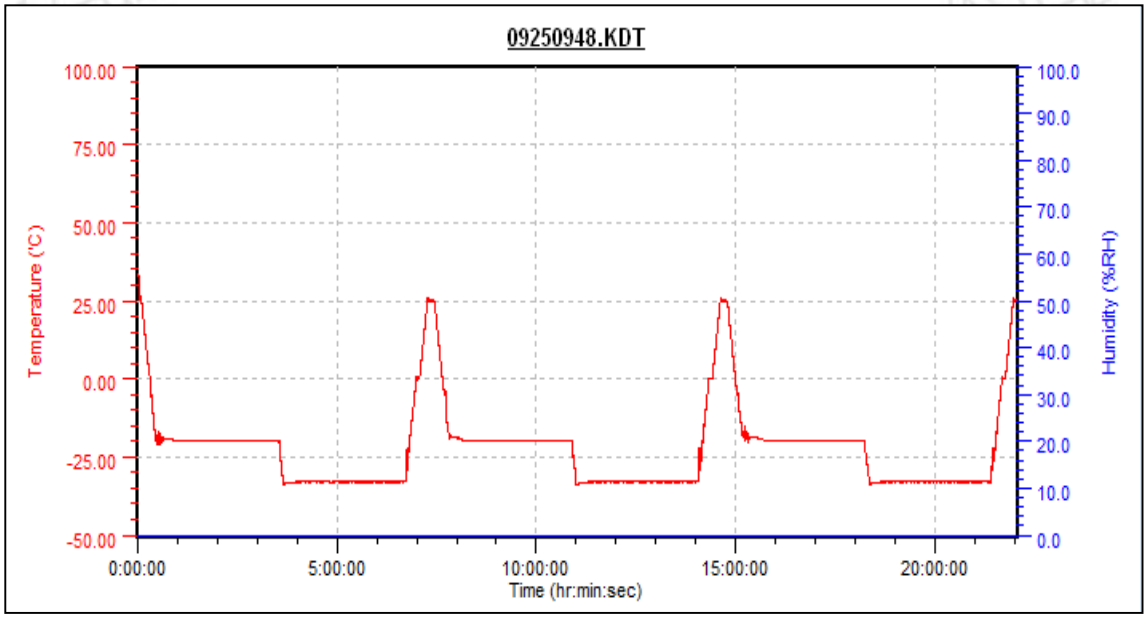
2 High Temperature Operation Test



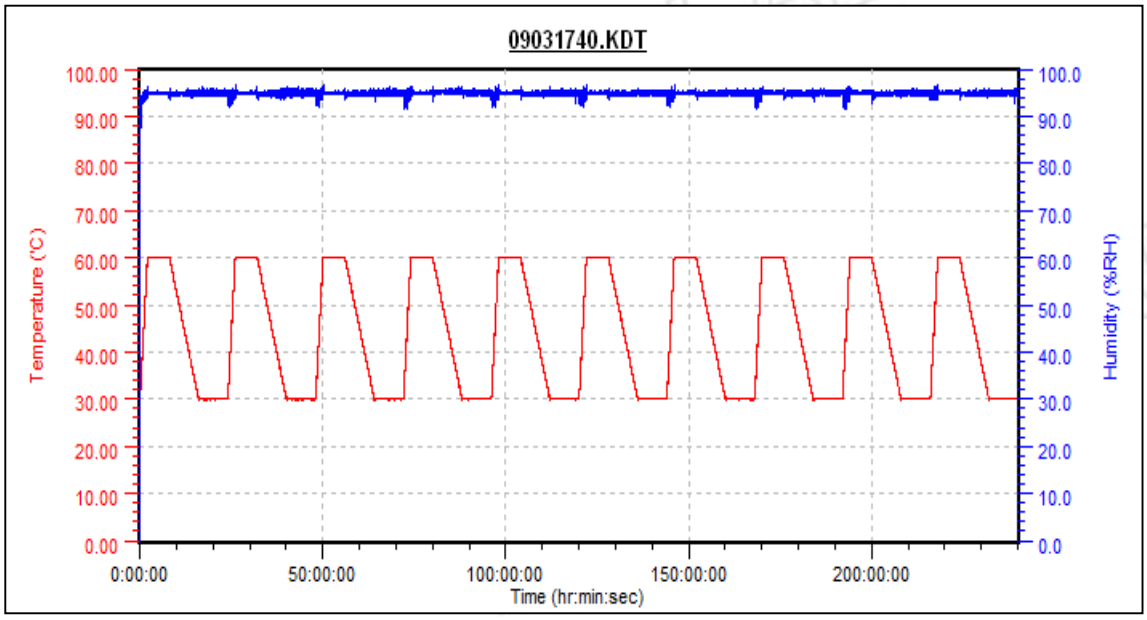
3 Low Temperature Storage Test



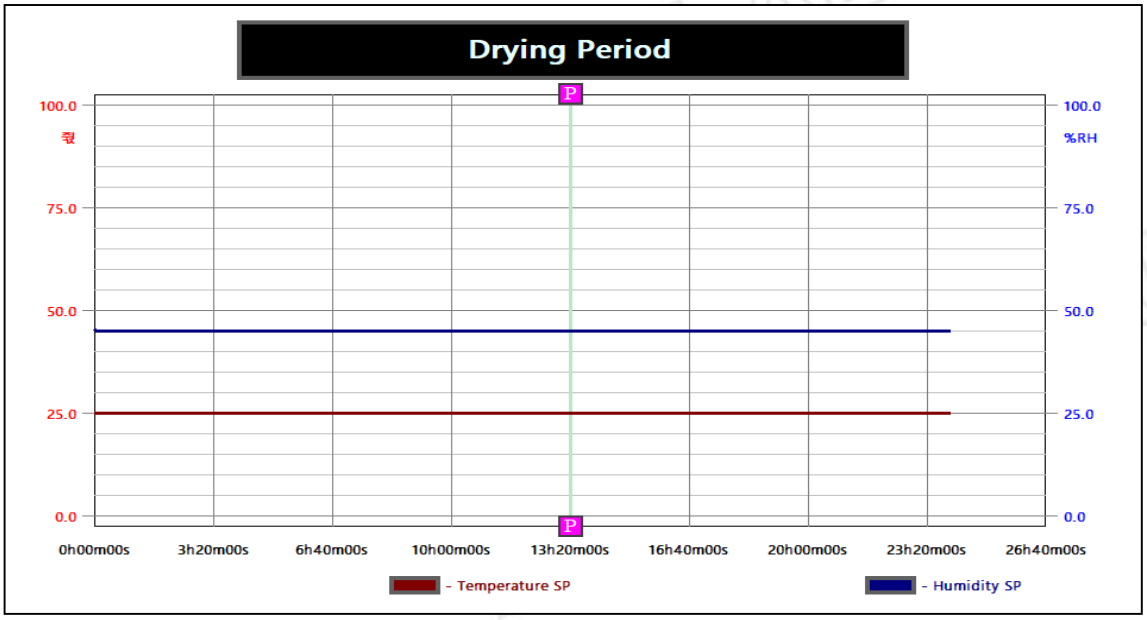
4 Low Temperature Operation Test



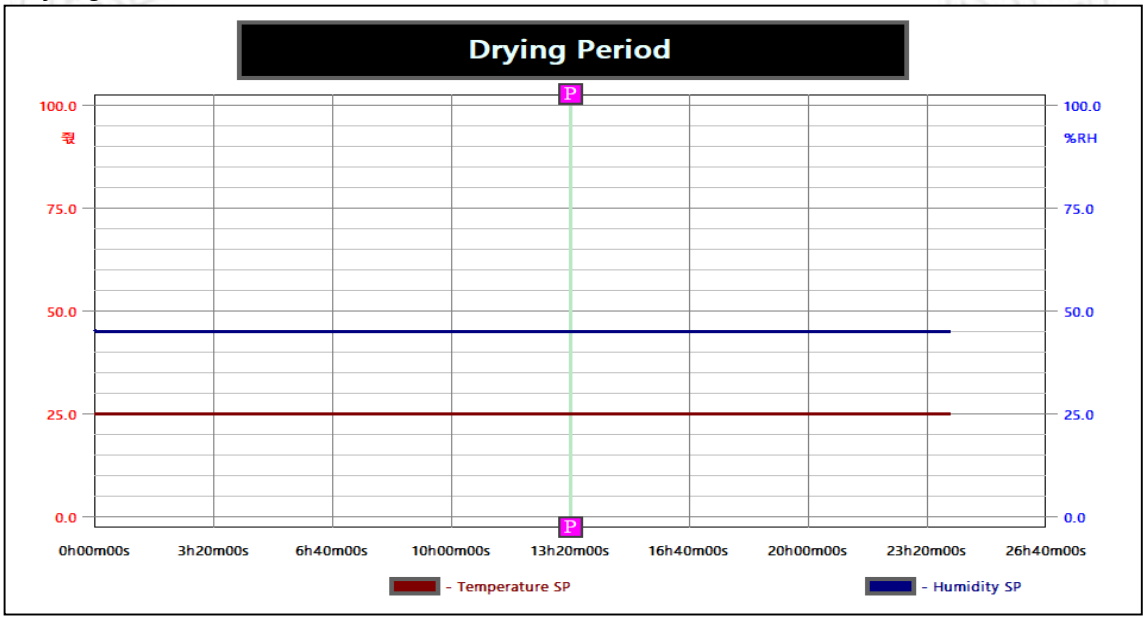
5 Humidity Test



3 Salt Fog Test: Drying Period -1

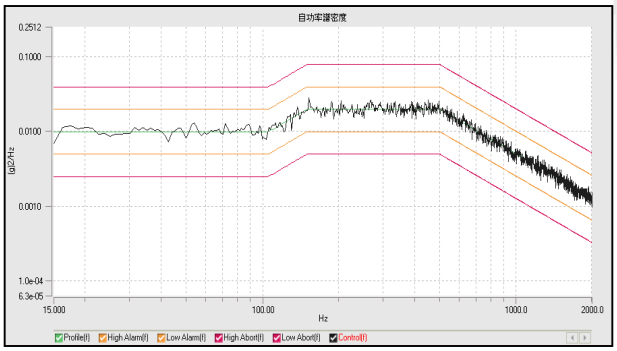


Drying Period -2

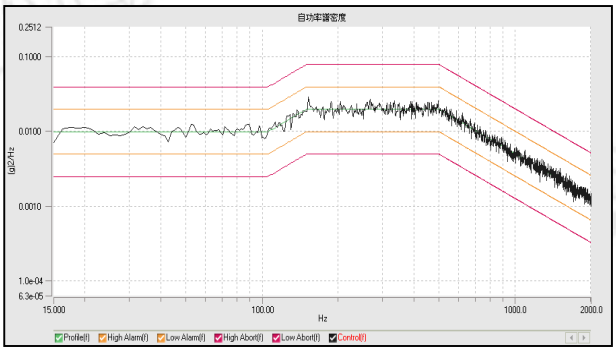


8 Packaged Commercial Aircraft Vibration Test

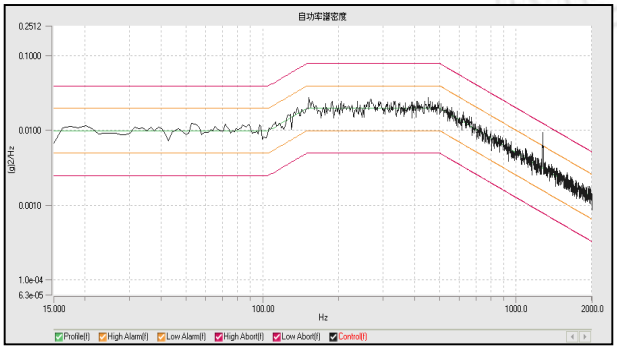
X axis



Y axis

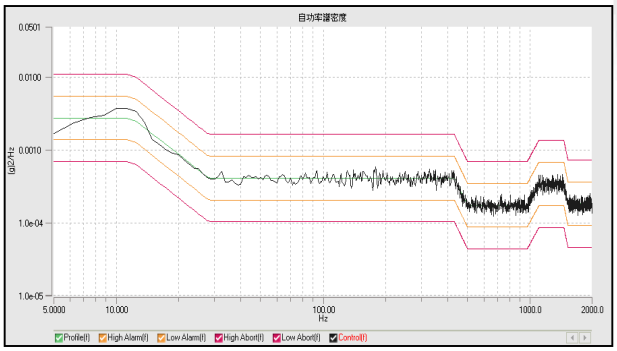


Z axis

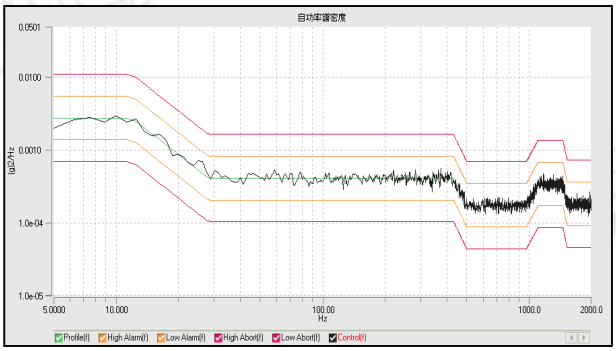


9 C-130(J/K) Aircraft Vibration Test

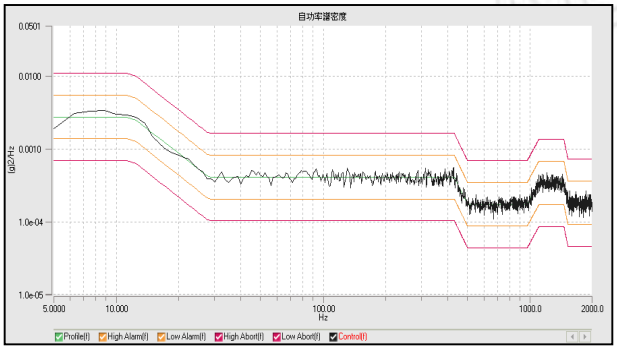
X axis



Y axis

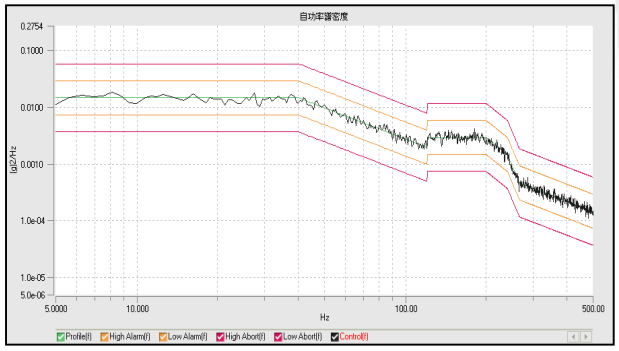


Z axis

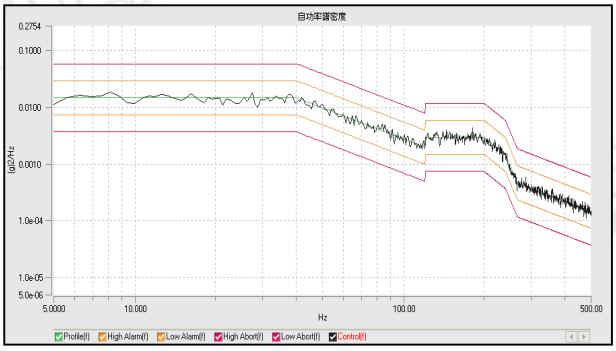


10 Ground Packaged Vibration Test

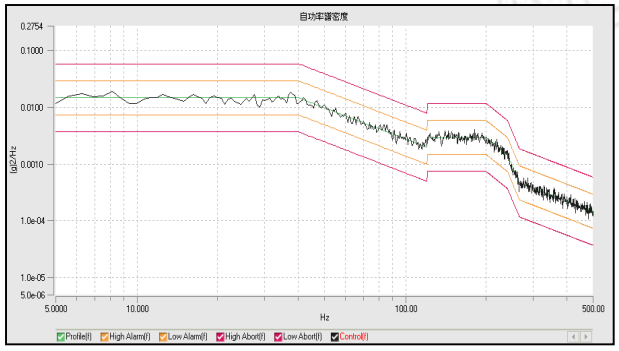
X axis



Y axis

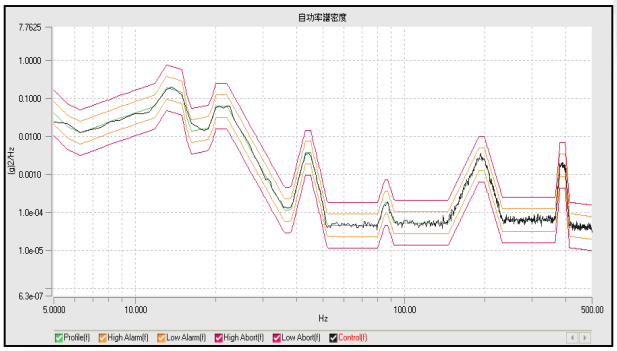


Z axis

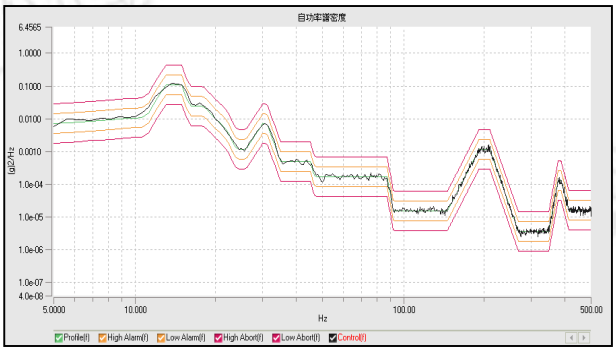


11 Tactical Transportation Test

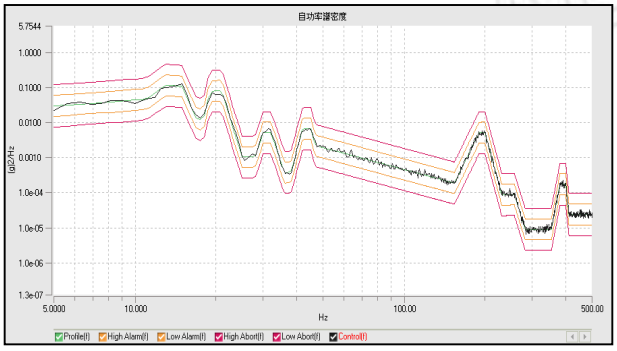
X axis



Y axis

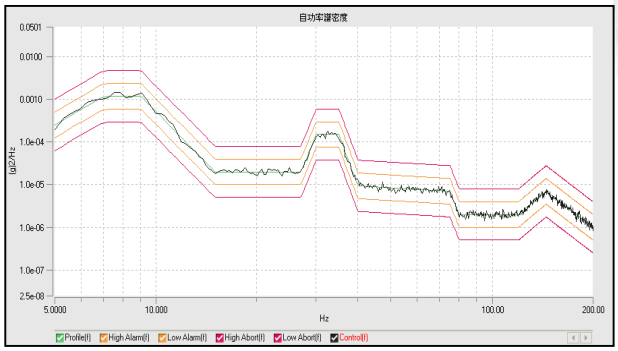


Z axis

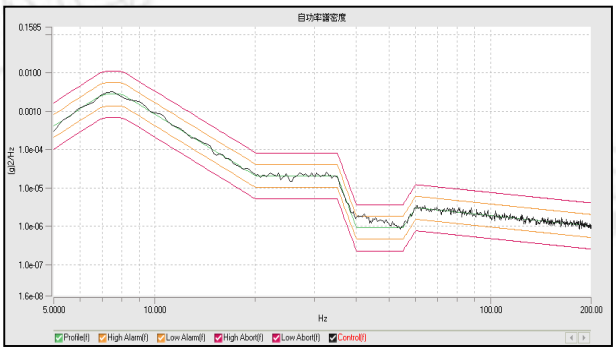


12 Functional Vibration Test

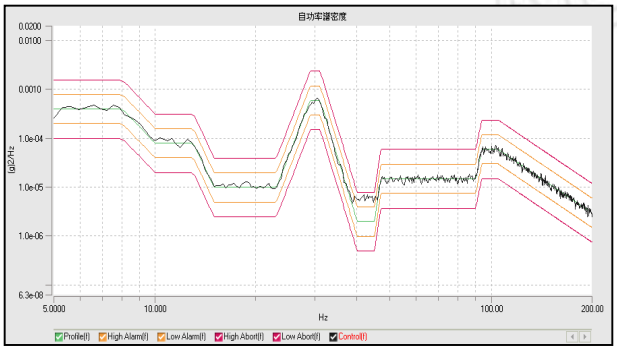
X axis



Y axis

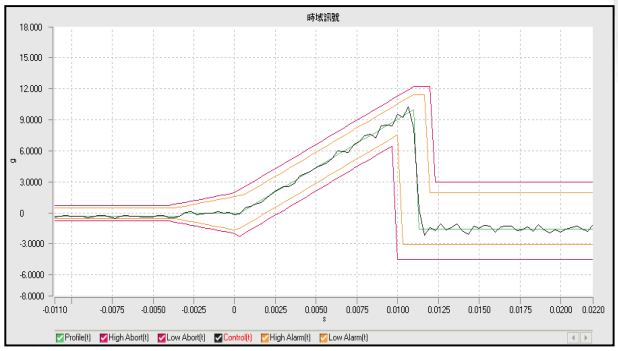


Z axis

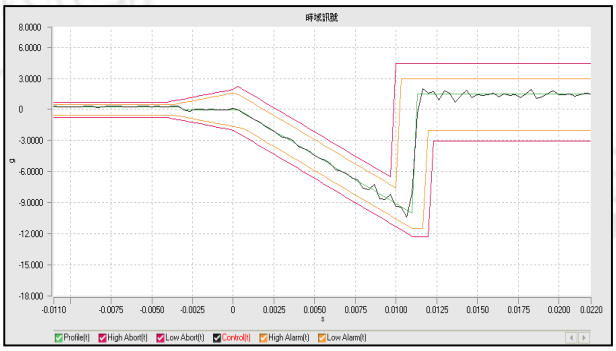


13 Road Transportation Shock Test

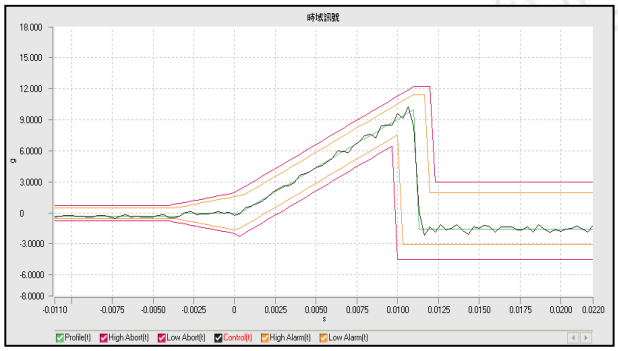
+X axis -1



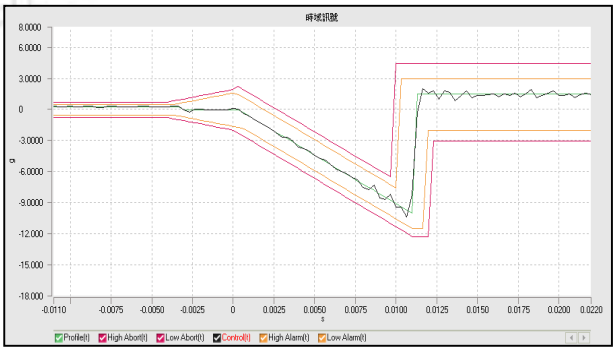
-X axis -1



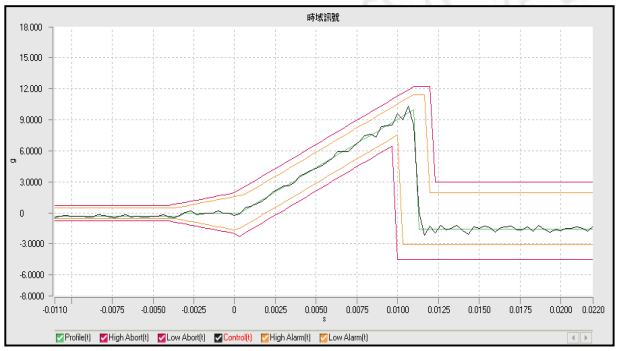
+X axis -2



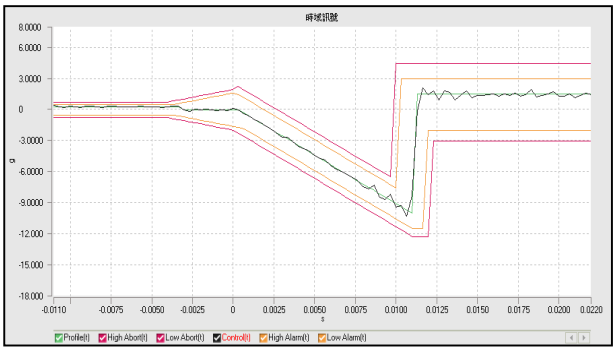
-X axis -2



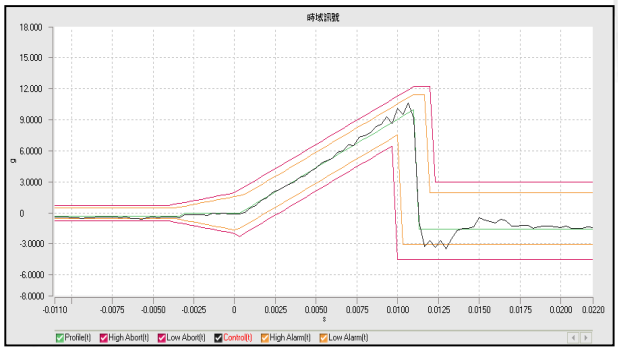
+X axis -3



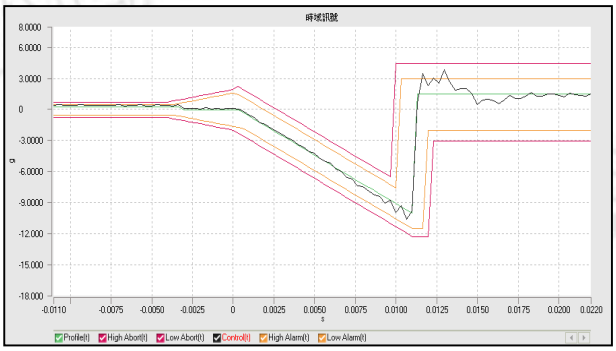
-X axis -3



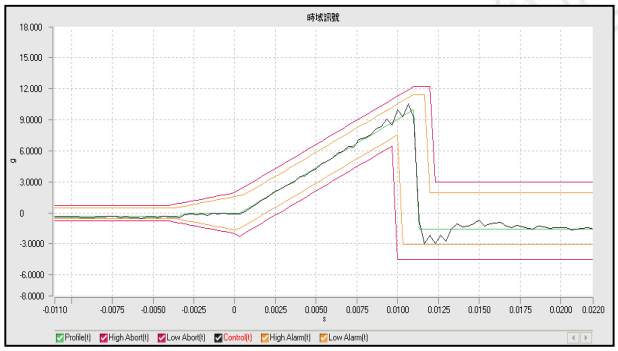
+Y axis -1



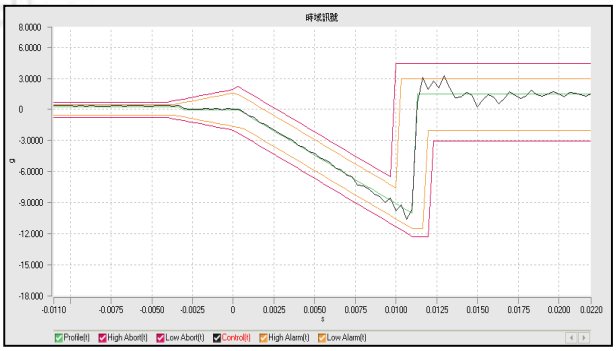
-Y axis -1



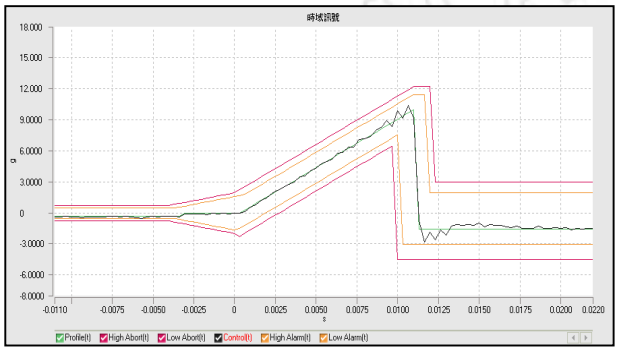
+Y axis -2



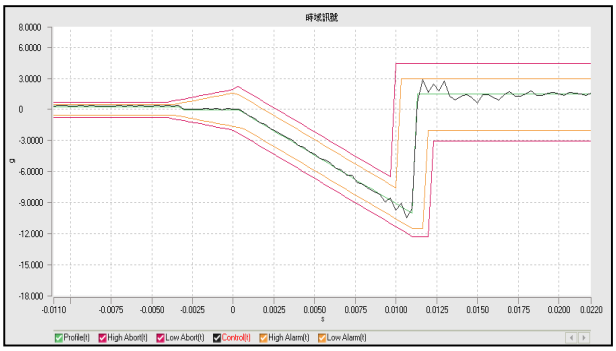
-Y axis -2



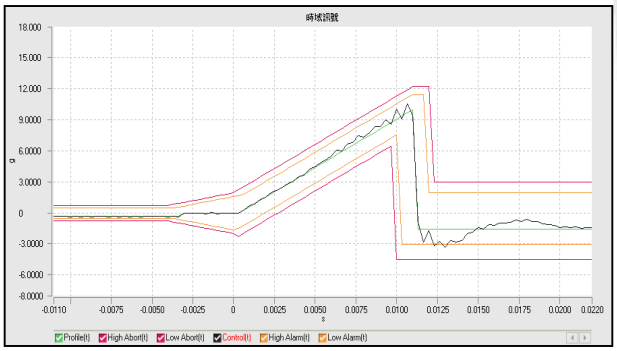
+Y axis -3



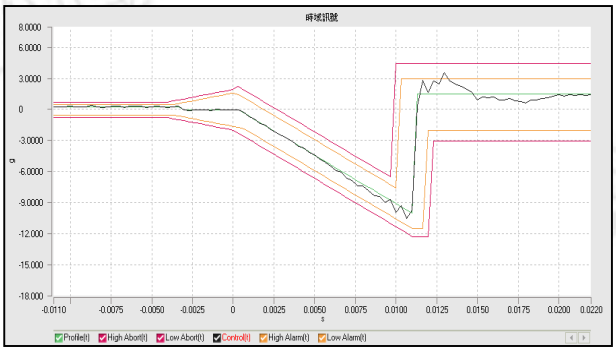
-Y axis -3



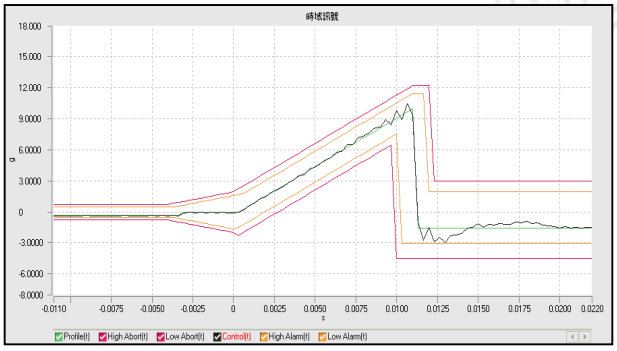
+Z axis -1



-Z axis -1



+Z axis -2



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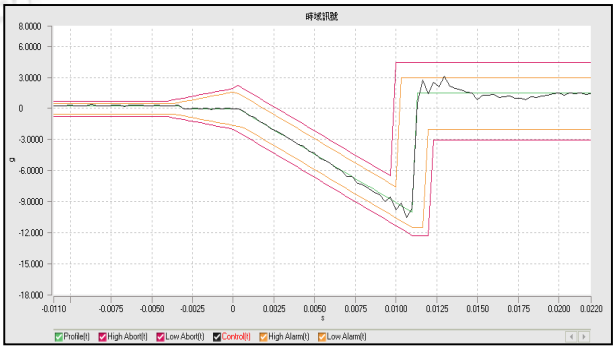

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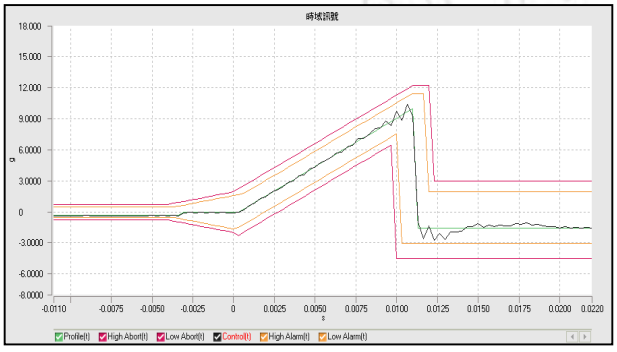

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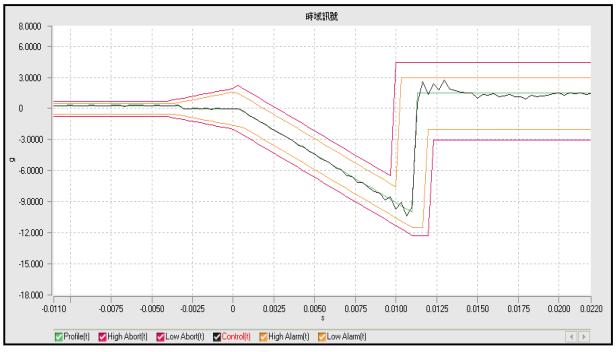

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