

## TEST REPORT

Report No.: HC70079/2018

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Date: October 22, 2018

VECOW CO., LTD.

12 F., NO. 111, ZHONGCHENG RD.,

TUCHENG DIST., NEW TAIPEI CITY,

TAIWAN, R.O.C.

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

Product Description: EVS-1000

Style/ Item No.: EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2;

EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2

Quantity: Total 2 set

Testing Period: Oct. 19, 2018

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. Random Vibration Test
2. Mechanical Shock Test

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of  
SGS TAIWAN Ltd.



Hank Chiou  
Supervisor

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## 1. Random Vibration Test:

### Test Equipment:

Name	Brand	Model	Serial No.
Vibration Tester	King Design	EM-5000F2K-75N600	10923742
Controller	Crystal	spider	1001664
Control Accelerometer	WR	793-6	A4632

### Lab Environmental Conditions:

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

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

### Test Method/ Specification:

Test method: IEC 60068-2-64, Edition 2.0: 2008

Sample condition: Operating (execute "BurnIn Test")

Wave form: Random

Frequency: (5 ~ 500) Hz

Frequency (Hz)	Left Slope (dB/Oct.)	PSD ( $\text{g}^2/\text{Hz}$ )	Right Slope (dB/Oct.)
5	—	0.05	0
500	0	0.05	—

⇨ equivalent to 5.0 Grms

Direction: X, Y, Z axes (see photo 3 ~ 5)

Duration: 30 minutes/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then examine the test program "BurnIn Test" could work normally or not.

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**Specimen:**

Style/ Item No.: EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2;

EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2

Quantity: Total 2 sets

**Test Result:**

Style/ Item No.	Check Item	Appearance check (Visual check)	Functional check
<u>EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2</u>		No visible damage	Normal
<u>EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2</u>		No visible damage	Normal

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## 2. Mechanical Shock Test:

### Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	LANSMONT	65-81 TTSII	M-13418
Data Acquisition & Analysis System	LANSMONT	103570-2-B	0503-73
ICP Accelerometer	PCB	353B14	79712

### Lab Environmental Conditions:

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

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

### Test Method/ Specification:

Test Method: IEC 60068-2-27, Edition 4.0: 2008

Sample condition: Operating (execute "BurnIn Test")

Pulse shape: Half-sine

Acceleration: 50 g

Pulse duration: 11 ms

Shock direction: 6 faces ( $\pm X$ ,  $\pm Y$ ,  $\pm Z$  axes, see photo 6 ~ 11)

No. of shock: 3 shocks/ axis (total 18 shocks)

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then examine the test program "BurnIn Test" could work normally or not.

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**Specimen:**

Style/ Item No.: EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2;

EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2






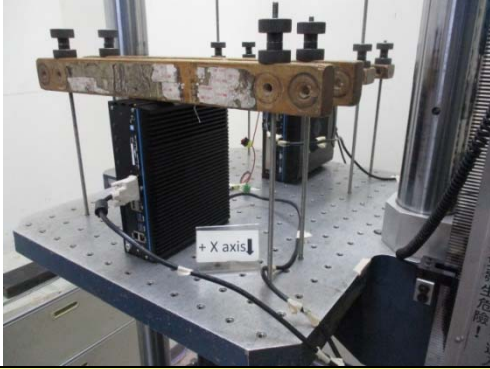
Quantity: Total 2 sets

**Test Result:**

Check Item	Appearance check (Visual check)	Functional check
Style/ Item No.		
<u>EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2</u>	No visible damage	Normal
<u>EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2</u>	No visible damage	Normal

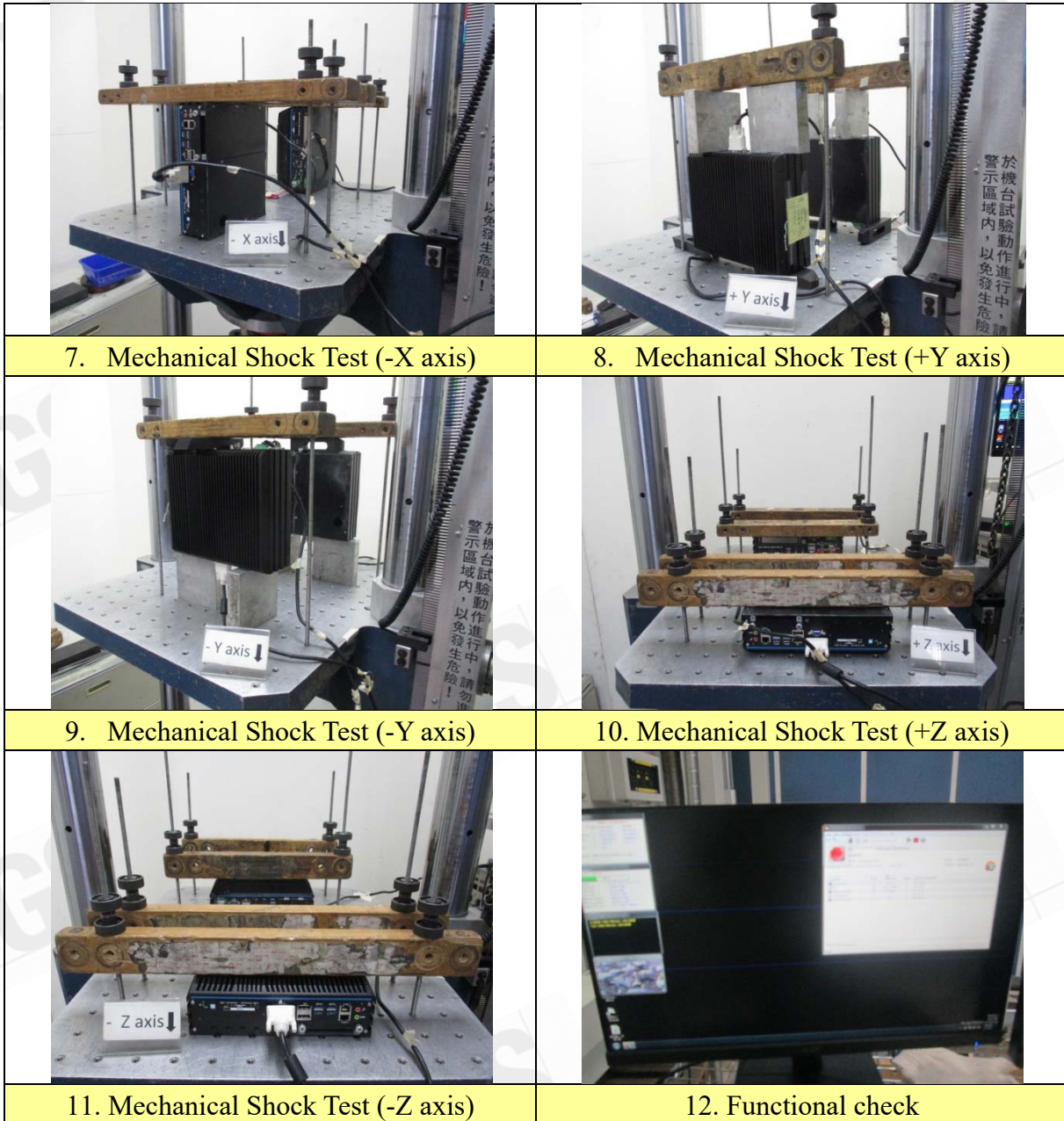
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Test Photos:

	
<p>1. Appearance of specimen: EVS-1110-MXM1070(CPU:I7-6700TE)/ No.2</p>	<p>2. Appearance of specimen: EVS-1010-MXM1050(CPU:I7-6700TE)/ No.2</p>
	
<p>3. Random Vibration Test: X axis</p>	<p>4. Random Vibration Test: Y axis</p>
	
<p>5. Random Vibration Test: Z axis</p>	<p>6. Mechanical Shock Test (+X axis)</p>

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Test Photos--Continued:



— — — The End of Test Report — — —

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