

TEST REPORT

Report No.: HC80004A/2019

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Date: August 19, 2019

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

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

Product Description: Fanless Robust Computing System
Style/ Item No.: RCX-1540-PEG (WITH DUAL RTX-2080)/ No.1
Quantity: Total 1 set
Testing Period: Aug. 7, 2019 to Aug. 8, 2019

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 –

*HC80004/2019, dated on August 12, 2019, is hereby canceled and replaced by HC80004A/2019.

Signed for and on behalf of
SGS TAIWAN Ltd.



Hank Chiou
Sr. Supervisor

TEST REPORT

1. Random Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKI	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	LW213529

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: IEC 61373, Edition 2.0:2010, Table 1, Class B - Body mounted

Sample condition: Operating

Wave form: Random

Frequency: (5 ~ 150) Hz

Z axis (Vertical)		X axis (Transverse)		Y axis (Longitudinal)	
Frequency (Hz)	PSD $((\text{m/s}^2)^2 / \text{Hz})$	Frequency (Hz)	PSD $((\text{m/s}^2)^2 / \text{Hz})$	Frequency (Hz)	PSD $((\text{m/s}^2)^2 / \text{Hz})$
5	0.0301	5	0.0060	5	0.0144
20	0.0301	20	0.0060	20	0.0144
150	0.00054254	150	0.00010814	150	0.0002595
⇨ equivalent to 0.99 (m/s ²)rms		⇨ equivalent to 0.44 (m/s ²)rms		⇨ equivalent to 0.68 (m/s ²)rms	

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 during and after this test
- Functional check: Connect the specimen with rated power, turn on the power of specimen then execute test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: RCX-1540-PEG (WITH DUAL RTX-2080)/ No.1

Quantity: Total 1 set

Test Result:

<div style="text-align: right;">Check Item</div> <div style="text-align: left;">Style/ Item No.</div>	Appearance check (Visual check)	Functional check
RCX-1540-PEG (WITH DUAL RTX-2080)/ No.1	No visible damage	Normal

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2. Mechanical Shock Test:

Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	LW213529

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: IEC 61373, Edition 2.0:2010, Table 3, Class A and Class B - Body mounted

Sample condition: Non-Operating

Pulse shape: Half-sine

Acceleration: Vertical-Z: 3 g;

Transverse-X: 3 g;

Longitudinal-Y: 5 g

Pulse duration: 30 ms

Shock direction: 6 faces ($\pm X$, $\pm Y$, $\pm Z$ axes, see photo 6 ~ 8)

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

- Examine the appearance of specimen(s) by visual check and perform functional check during and after this test
- Functional check: Connect the specimen with rated power, turn on the power of specimen then execute test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: RCX-1540-PEG (WITH DUAL RTX-2080)/ No.1

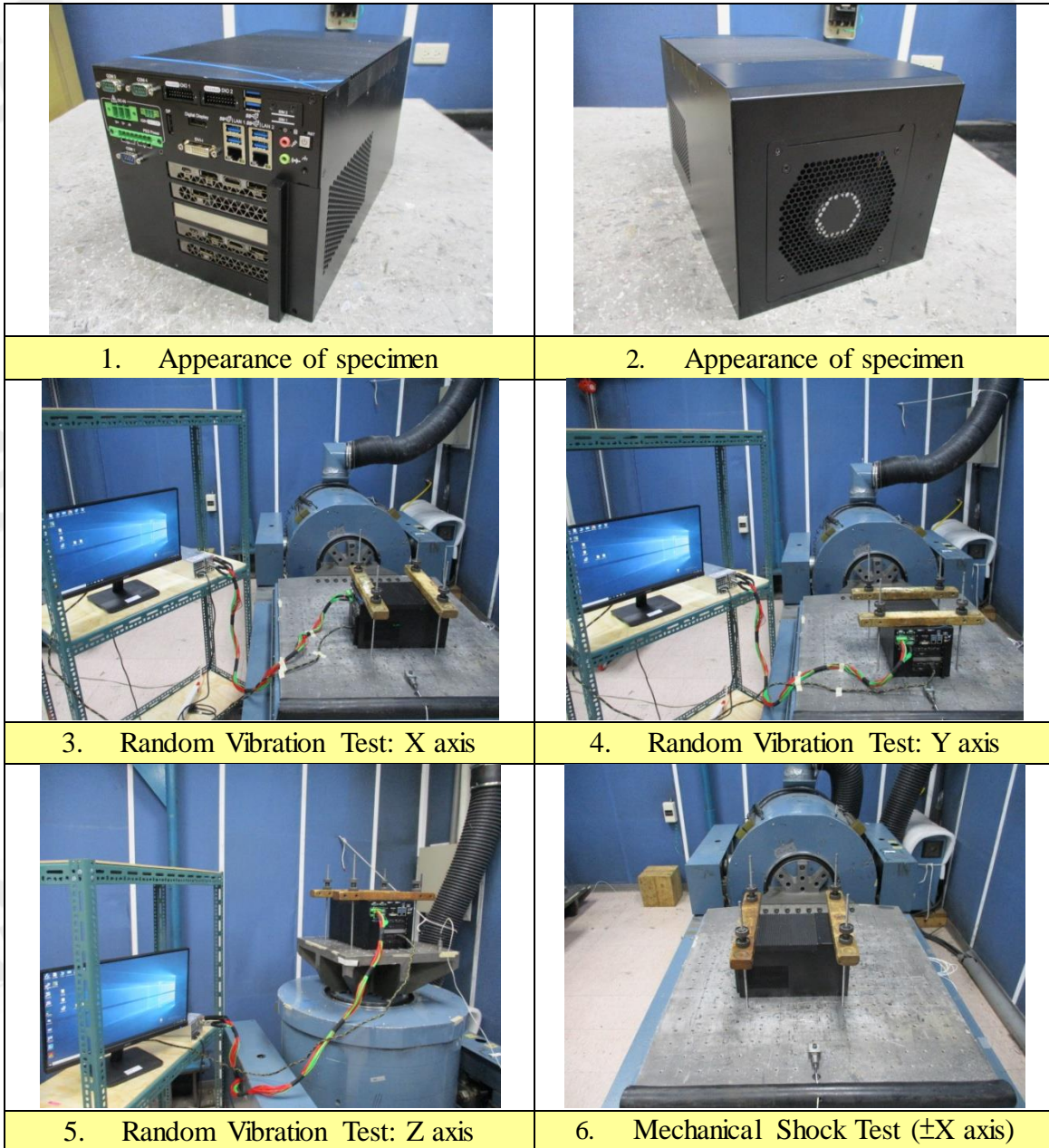
Quantity: Total 1 set

Test Result:

Style/ Item No.	Check Item	Appearance check (Visual check)	Functional check
RCX-1540-PEG (WITH DUAL RTX-2080)/ No.1		No visible damage	Normal

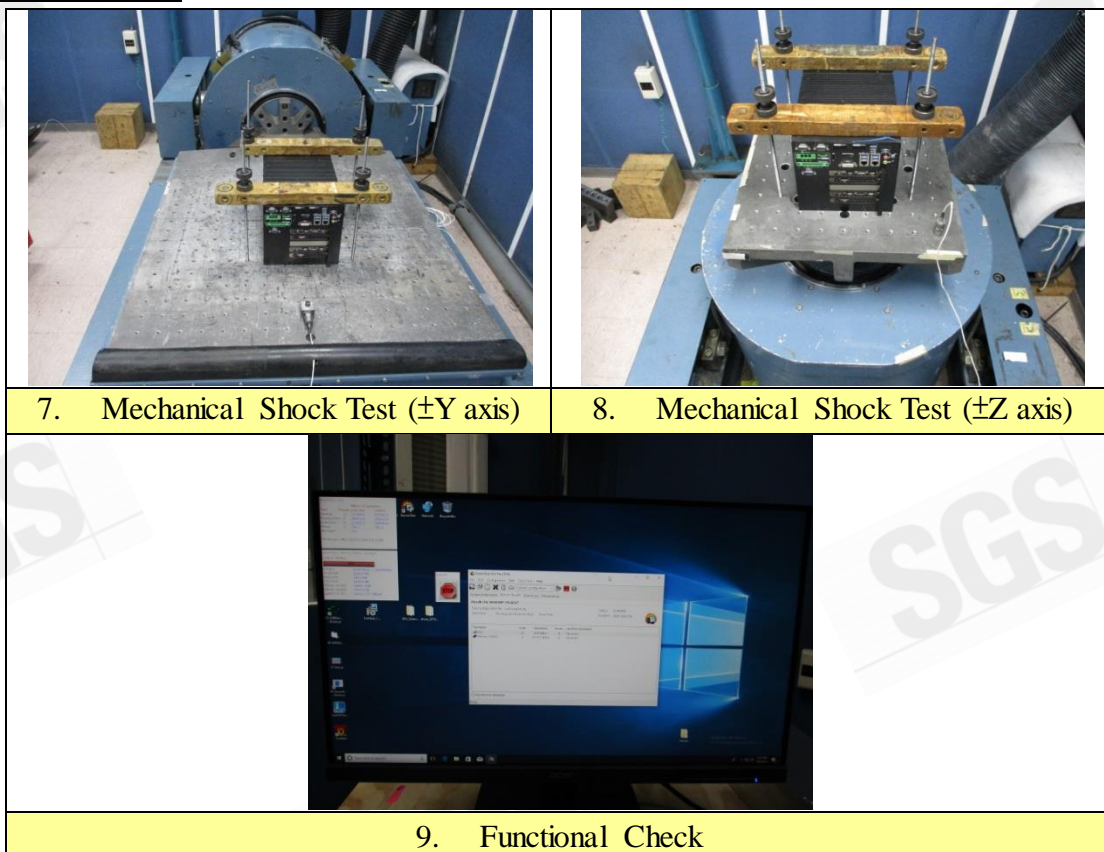
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Test Photos:



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Test Photos--Continued:



— — —The End of Test Report — — —

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