

TEST REPORT

Report No.: HCN0020A/2019

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Date: November 27, 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: IPC
Style/ Item No.: SPC-4600/ No.1
Manufacturer/Vendor: Vecow Co., Ltd.
Quantity: Total 1 set
Testing Period: Nov. 20, 2019 to Nov. 22, 2019
Note: (Client's declaration)
System Configuration of Equipment under measurement:
CPU: Intel(R) Atom(TW): Processor E3950 CPU@1.60 GHz
DDR: Innodisk DDR3L 8G 1866 W/T SODIMM IT *1
Storage: Innodisk 2.5" SATA SSD 3MG2-P 64GB *1

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
Sr. Supervisor

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1. Random Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Data Acquisition & Analysis System	Dactron	LASER	7110357
ICP Accelerometer	PCB	353B34	121615
Vibration Test System	King Design	EM-5000F2K-75N600	WR10923701
Data Acquisition & Analysis System	Crystal	spider	1001664
ICP Accelerometer	WR	793-6	A4938

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 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 (g^2/Hz)	Right Slope (dB/Oct.)
5	—	0.05	0
500	0	0.05	—

⇨ equivalent to 5.0 G_{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 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.: SPC-4600/ No.1

Quantity: Total 1 set

Test Result:

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check
SPC-4600/ No.1	No visible damage	Normal

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2. Mechanical Shock Test:

Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	LANSMONT	95/115D	M-17656
Data Acquisition & Analysis System	LANSMONT	TP4 8A-CH SML 1115-001	1115-001
ICP Accelerometer	PCB	353M288	196438

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: 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.: SPC-4600/ No.1

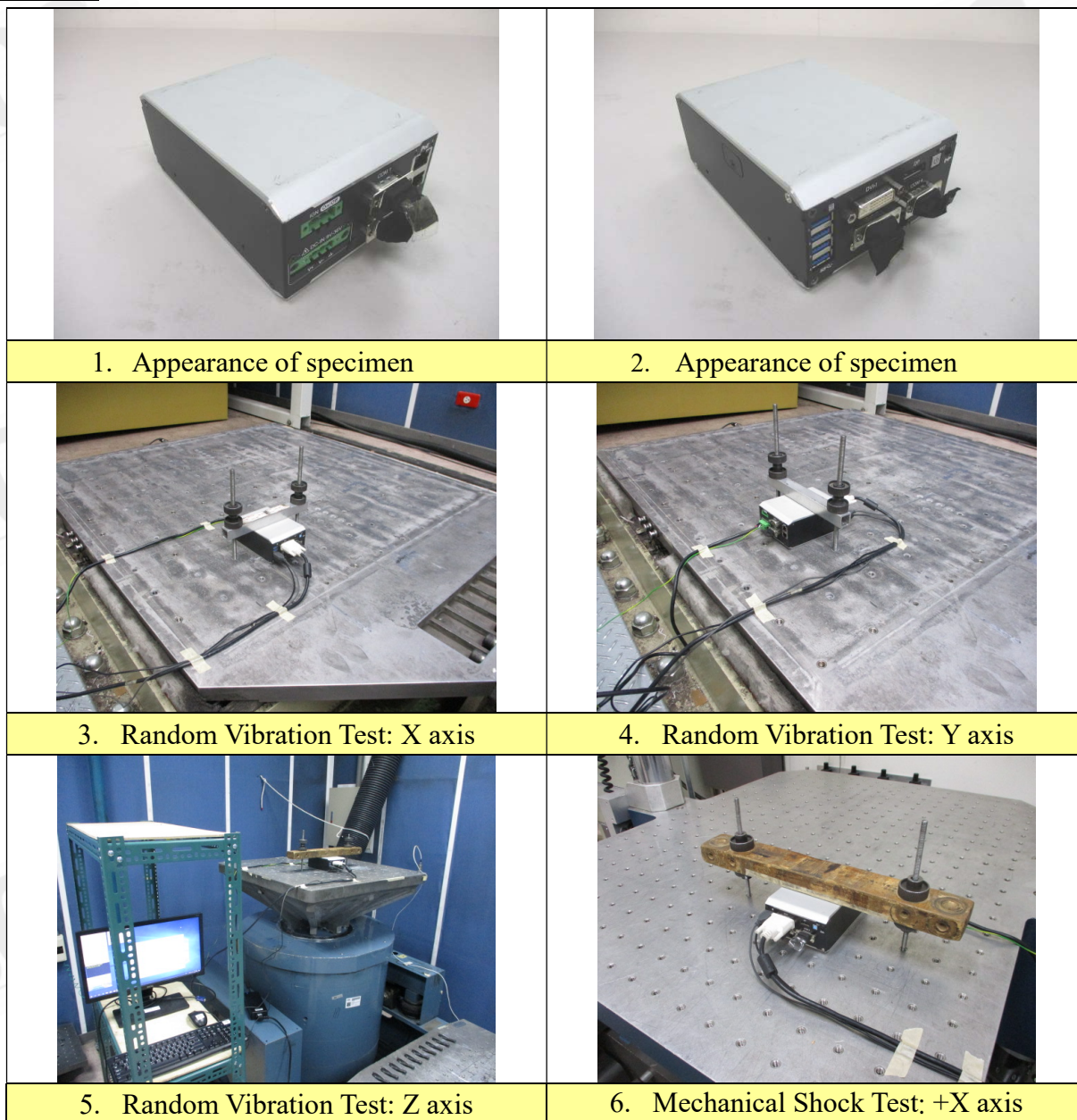
Quantity: Total 1 set

Test Result:

Style/ Item No.	Check Item	Appearance check (Visual check)	Functional check
	SPC-4600/ No.1		No visible damage

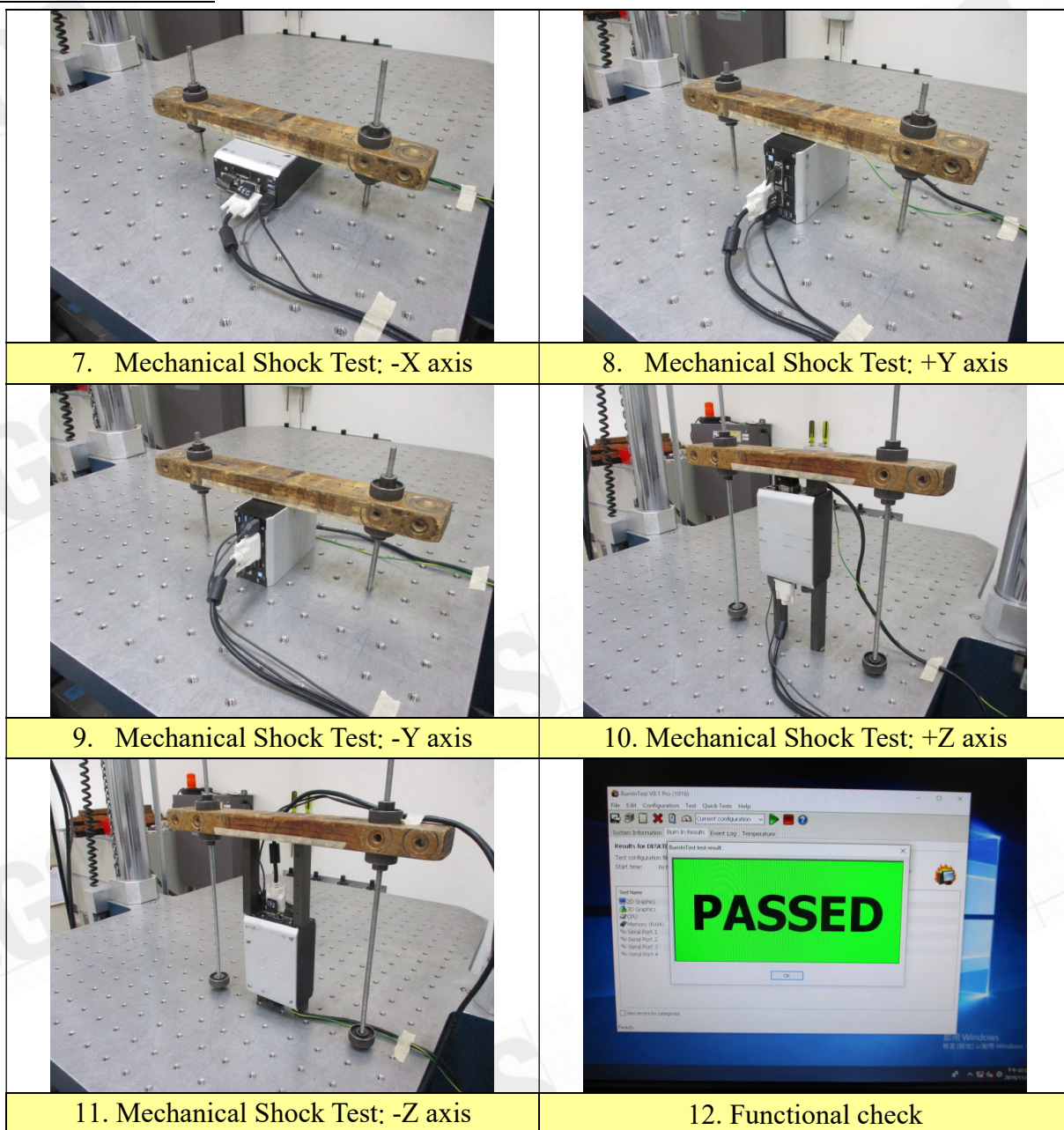
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Test Photos:



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Test Photos--Continued:



— — — The End of Test Report — — —

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