

**KING DESIGN INDUSTRIAL CO., LTD.**

4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

**VIBRATION LABORATORY**<http://www.kdi.tw><http://www.vibration.com.tw>E-mail: [service@kdi.tw](mailto:service@kdi.tw)**TESTING / INSPECTION REPORT**

REPORT NO : VT-180712-2R

COMPANY : TechNexion Ltd.

ADDRESS : 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511,  
New Taipei City, Taiwan

TEL : 886-2-8227-3585

FAX : 886-2-8227-3590

SPECIMEN : TWP1010-BSW series

TN140\_TEP5-BSW --- TEP5-BSW-N3710

Power Expansion L124 --- TXB-P1-24V-LAN1

I/O Expansion XG21--- TXB-I2-GS2-GG8

DATE OF RECEIVED : 2018/06/27


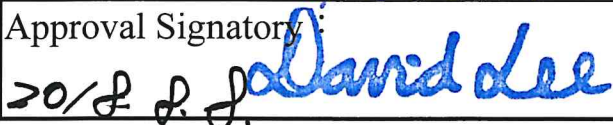
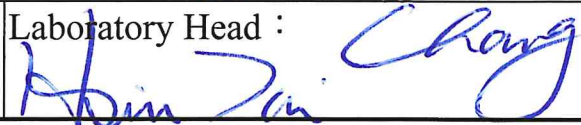
DATE OF TESTED : 2018/06/27

TEST / INSPECTION ITEMS : Vibration Test



## REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is update to “VT-180712-2” document.
- This report is 8pages, and no part of it may be abstracted or reproduced.

Test Engineer : 	
Approval Signatory : 	Laboratory Head : 

**KING DESIGN INDUSTRIAL CO., LTD.**

4F,NO. 3, Lane 270, Pei Shen Road Sec. 3,

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

**VIBRATION LABORATORY**<http://www.kdi.tw><http://www.vibration.com.tw>

E-mail:service@kdi.tw

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,  
S/N : GUG02102091
2. Controller : DACTRON LASER USB, S/N : 12448370
3. Control Accelerometer : WILCOXON RESEARCH WR-784A, S/N : 23116

### TEST ENVIRONMENT :

- Temperature : 25°C (25±10°C)
- Relative Humidity : 62%RH (50±25% RH)

### SPECIMEN :

No1

Model/(S/N) : TWP1010-BSW series  
TN140\_TEP5-BSW --- TEP5-BSW-N3710  
Power Expansion L124 --- TXB-P1-24V-LAN1  
I/O Expansion XG21--- TXB-I2-GS2-GG8

Quantity : 1 unit

## TESTING / INSPECTION REPORT

### TEST SPECIFICATION :

**As per applicant's requirement---**

Random Vibration test (Operating)

Frequency : 5 Hz to 500 Hz

Frequency (Hz)	PSD (g) <sup>2</sup> /Hz
5	0.00202068
500	0.00202068

Test Axis : X, Y, Z axis

Acceleration : 1 grms


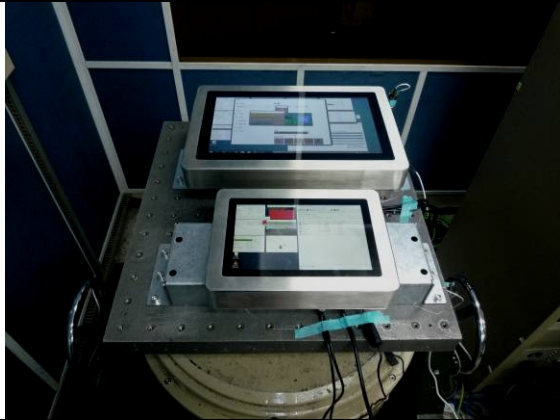
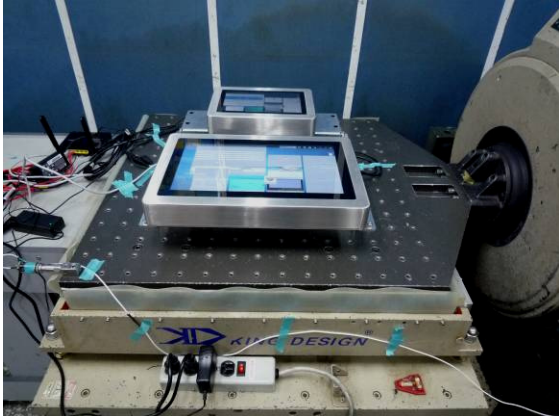

Test Time : 60 min / axis

Total Test Time : 180 min

### TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

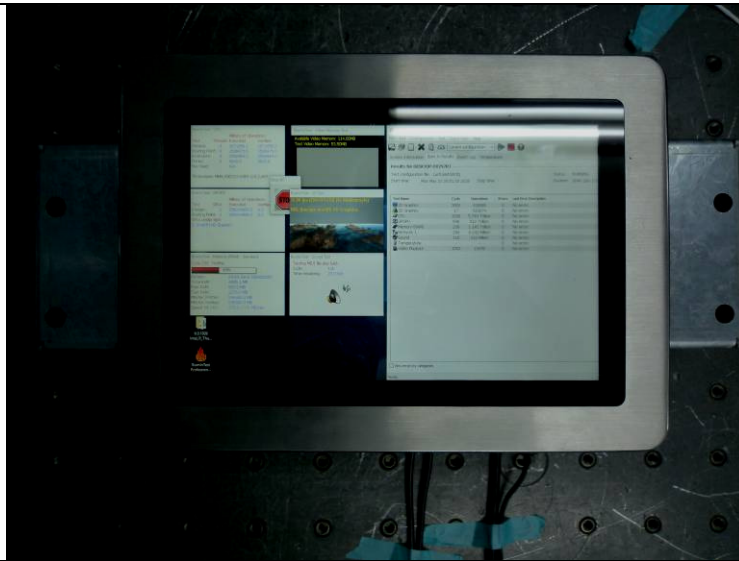
## TESTING / INSPECTION REPORT

Vibration testing photos	
Testing equipment	Z axis
	
X axis	Y axis
	

## TESTING / INSPECTION REPORT

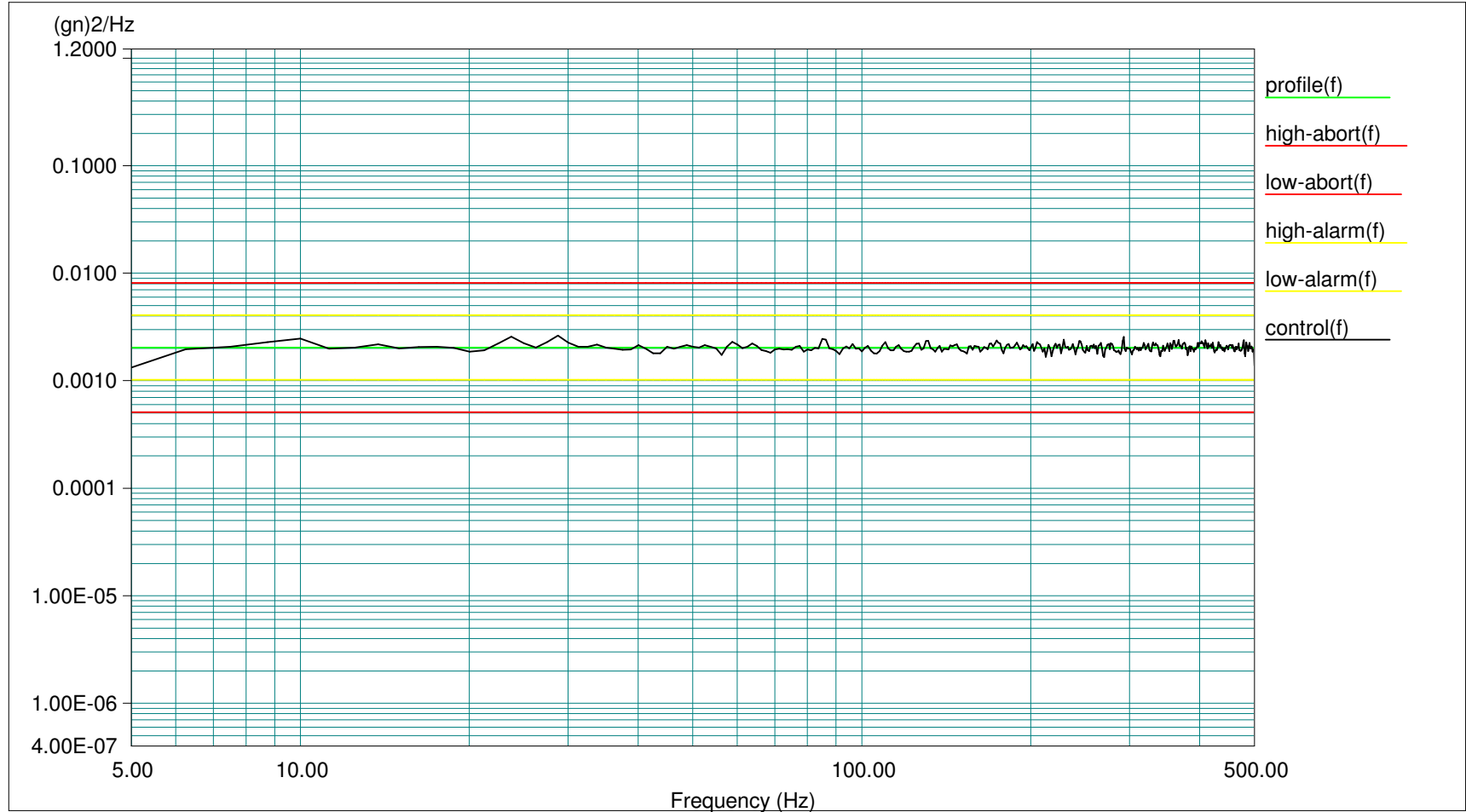
### Testing photos

#### After test



X axis -

Test Type: Random Run Folder: .\RunFolder Jun 27, 2018 10-34-00



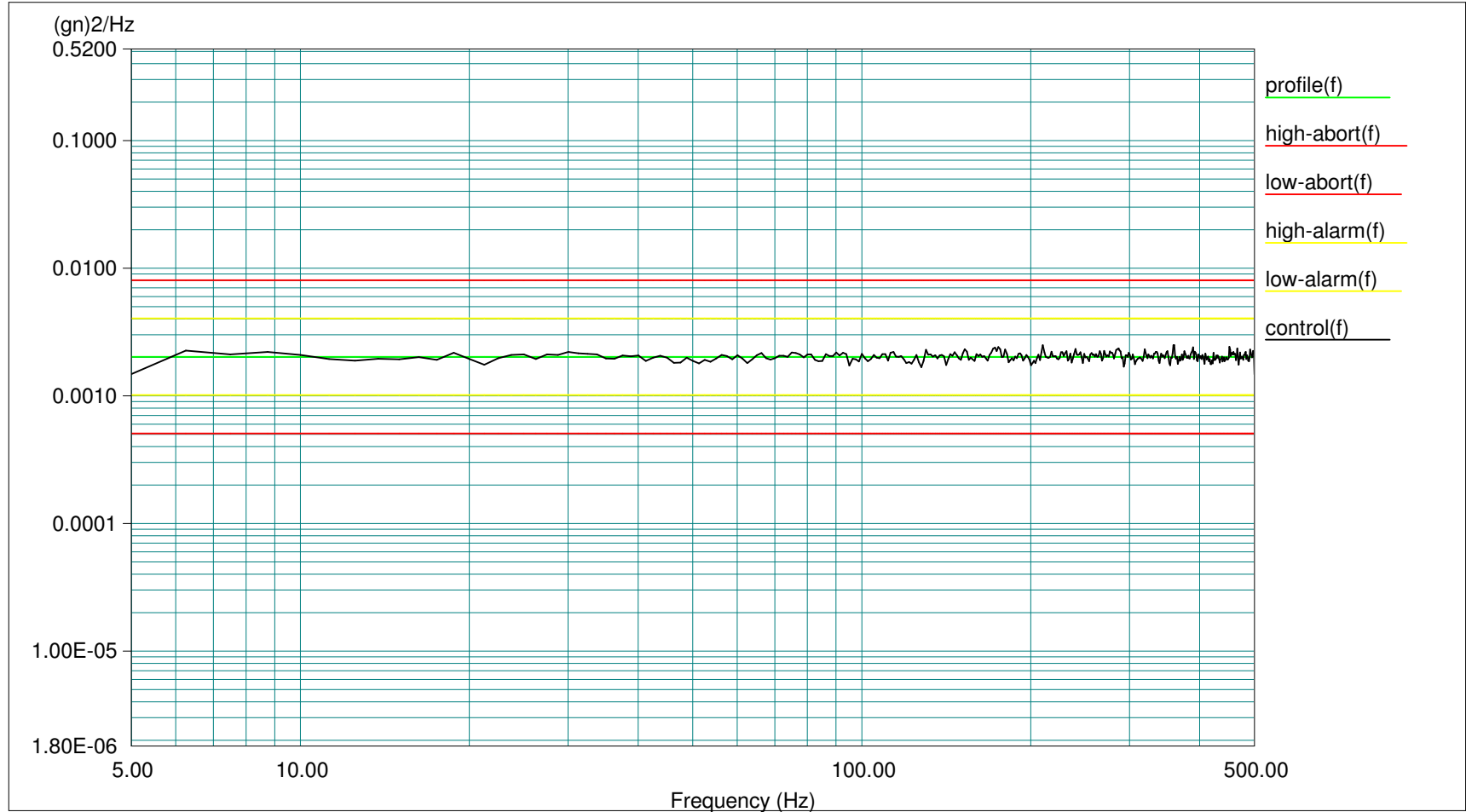
Level: 100 %

Control RMS: 1.003413 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000664 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Y axis

Test Type: Random Run Folder: .\RunFolder Jun 27, 2018 09-14-31



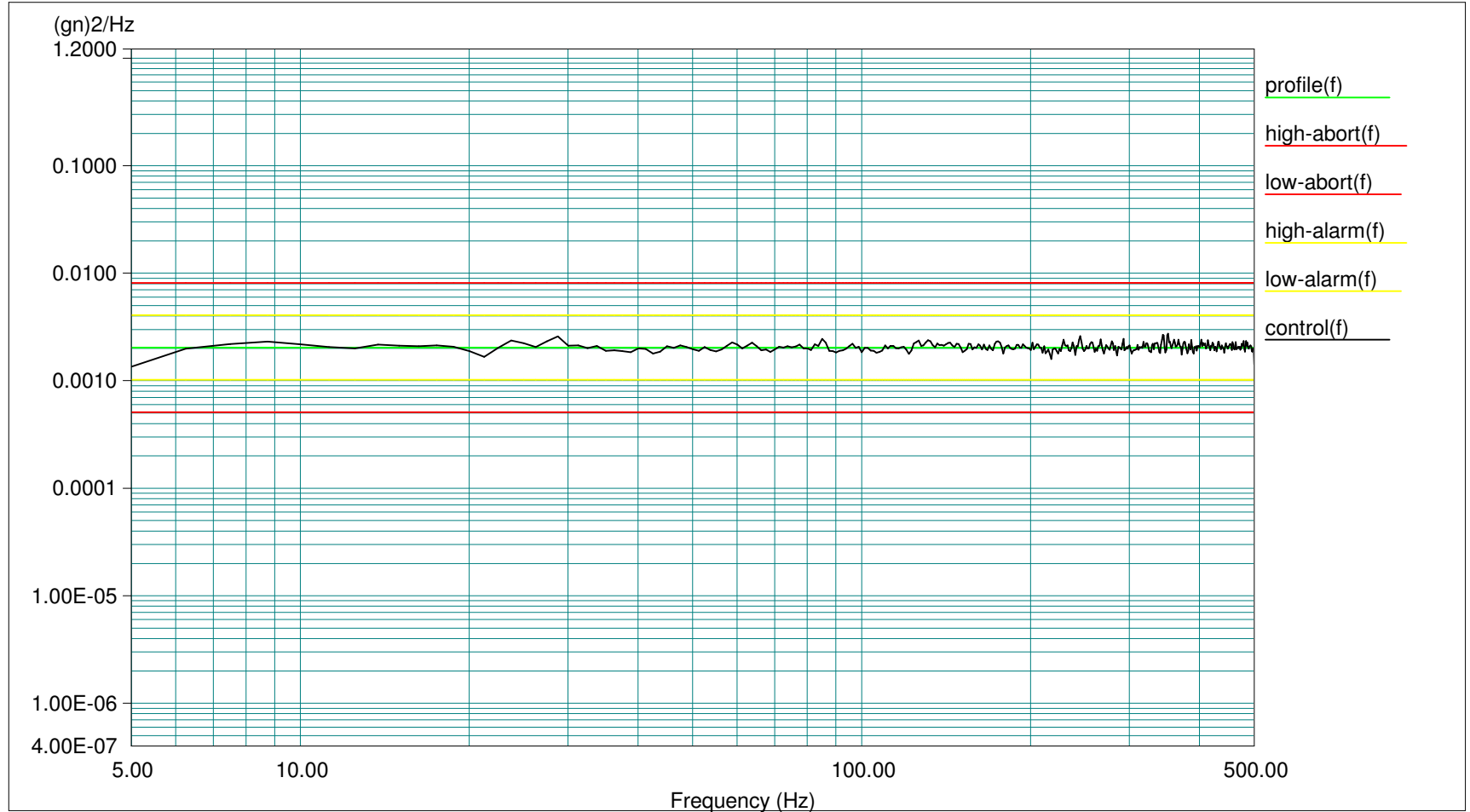
Level: 100 %

Control RMS: 1.003474 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000664 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Z axis

Test Type: Random Run Folder: .\RunFolder Jun 27, 2018 12-07-24



Level: 100 %

Control RMS: 1.032930 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.000664 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

-END-