

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**

REPORT NO : VT-180417-2

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-IMX6 series

TEP5-i.MX6 Quad --- TEP5-IMX6Q

Power Expansion-LPOE --- TXB-P1-12V-POE1

I/O Expansion-XG20--- TXB-I2-GS2-GC2-GG8

DATE OF RECEIVED : 2018/04/11

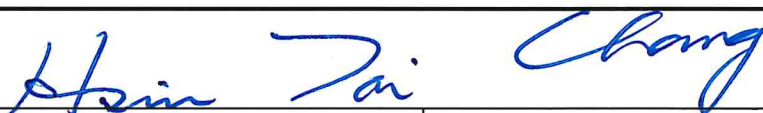


DATE OF TESTED : 2018/04/11

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 8 pages, and no part of it may be abstracted or reproduced.

Test Engineer : 	
Approval Signatory :  2018.4.27	Laboratory Head : 

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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-IMX6 series
TEP5-i.MX6 Quad --- TEP5-IMX6Q
Power Expansion-LPOE --- TXB-P1-12V-POE1
I/O Expansion-XG20--- TXB-I2-GS2-GC2-GG8

Quantity : 1 unit

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TEST SPECIFICATION :

As per applicant's requirement---

Random Vibration test (Operating)

Frequency : 5 Hz to 500 Hz

Frequency (Hz)	PSD (g) ² /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
	

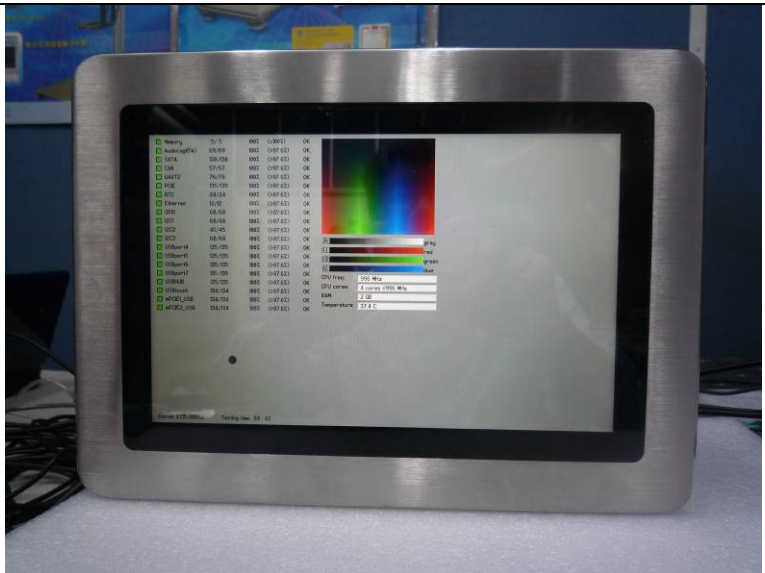
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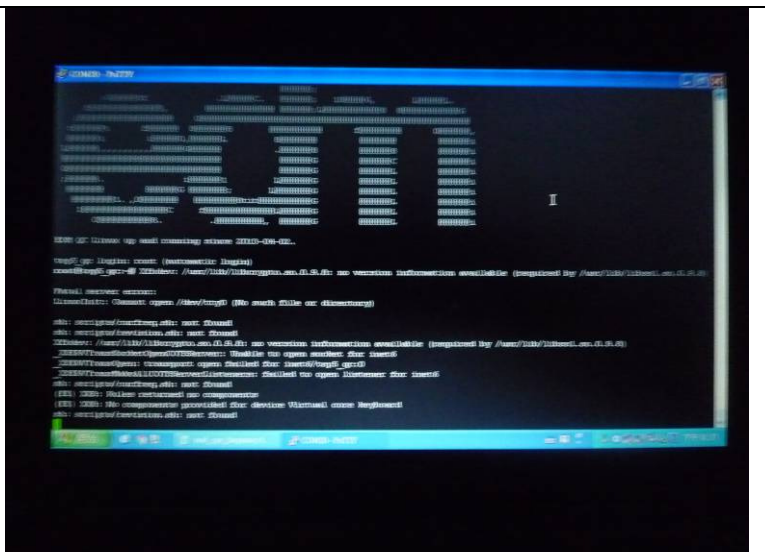
TESTING / INSPECTION REPORT

Testing photos

After test-1

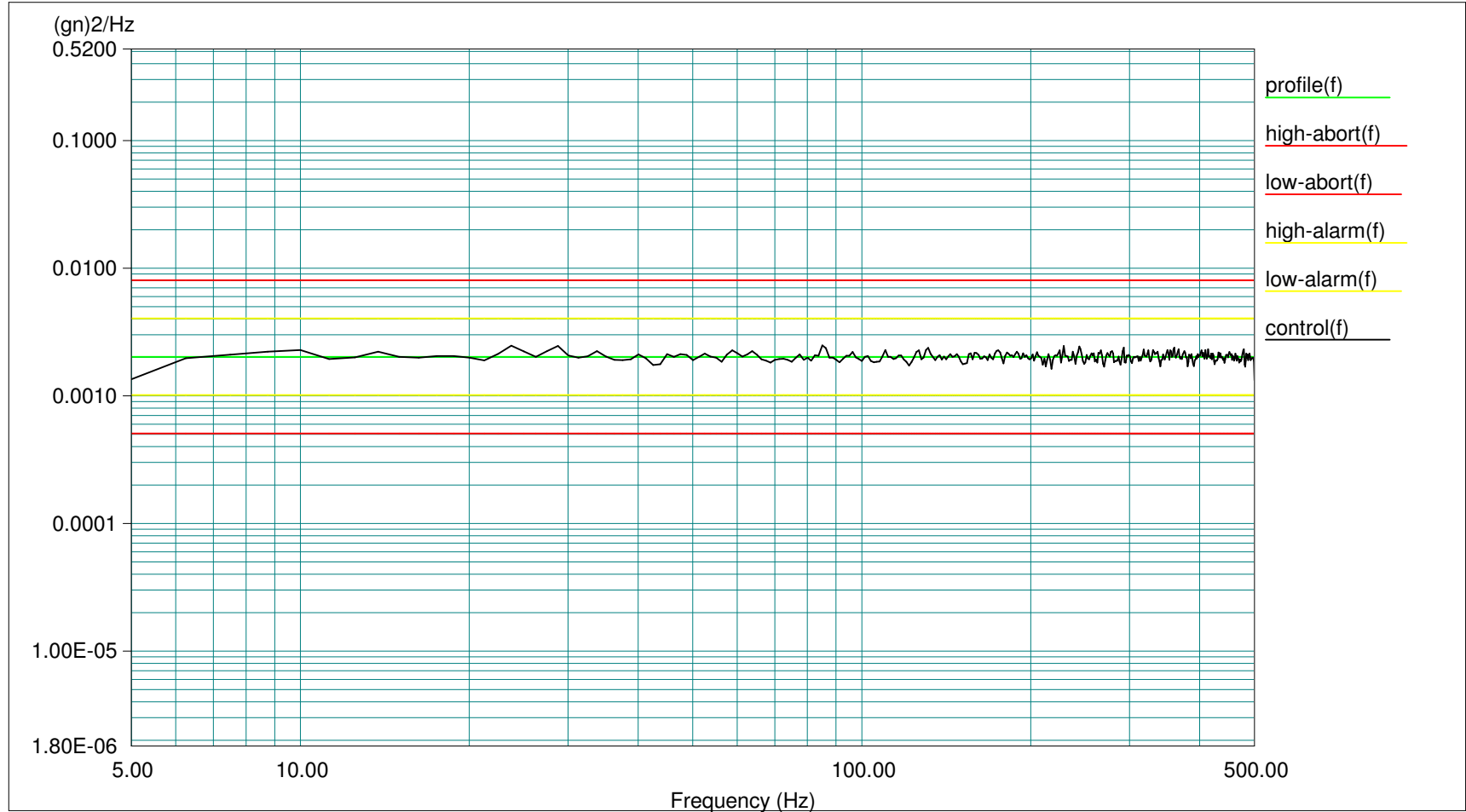


After test-2



X axis -

Test Type: Random Run Folder: .\RunFolder Apr 11, 2018 13-31-41



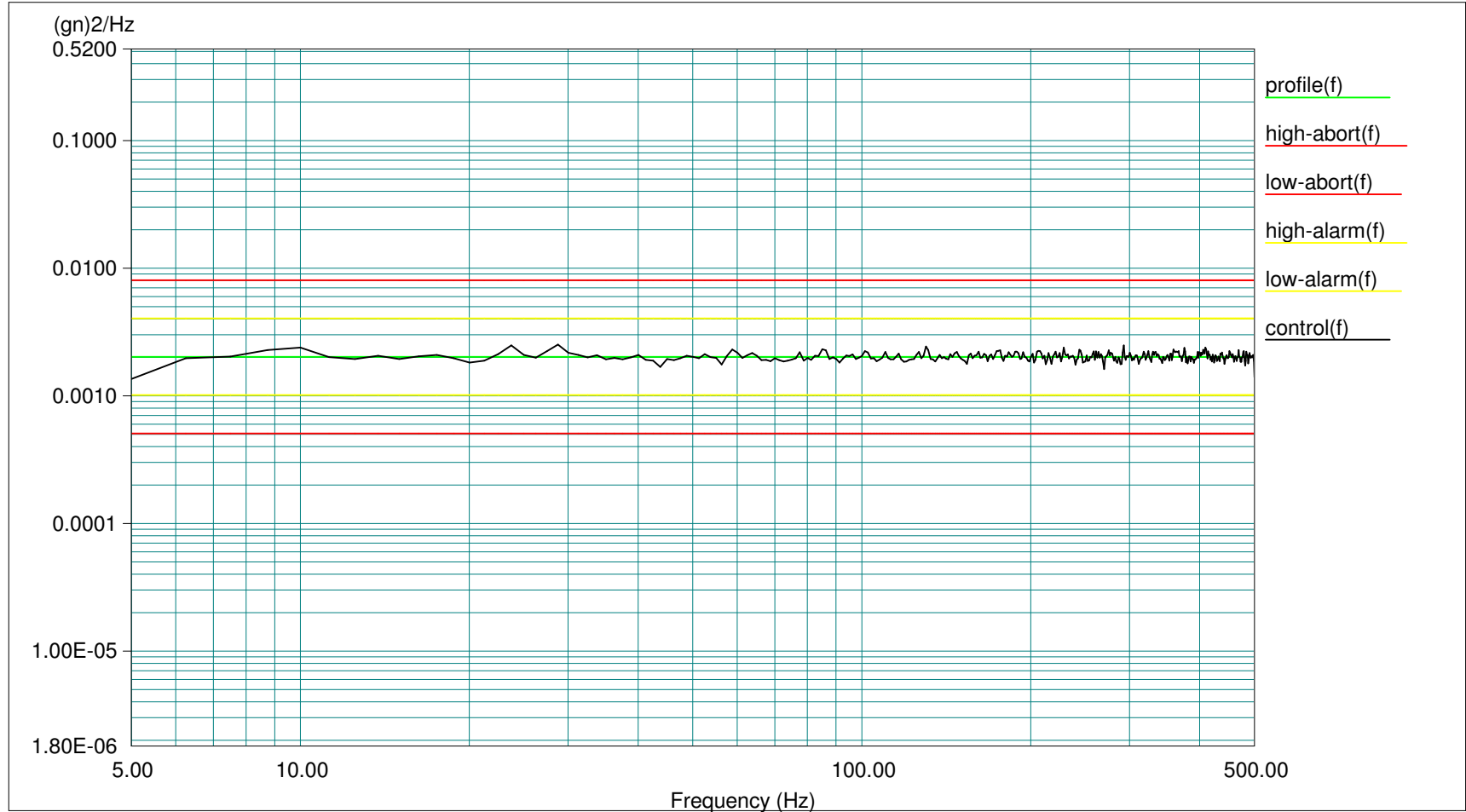
Level: 100 %

Control RMS: 1.002453 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 Apr 11, 2018 14-53-39



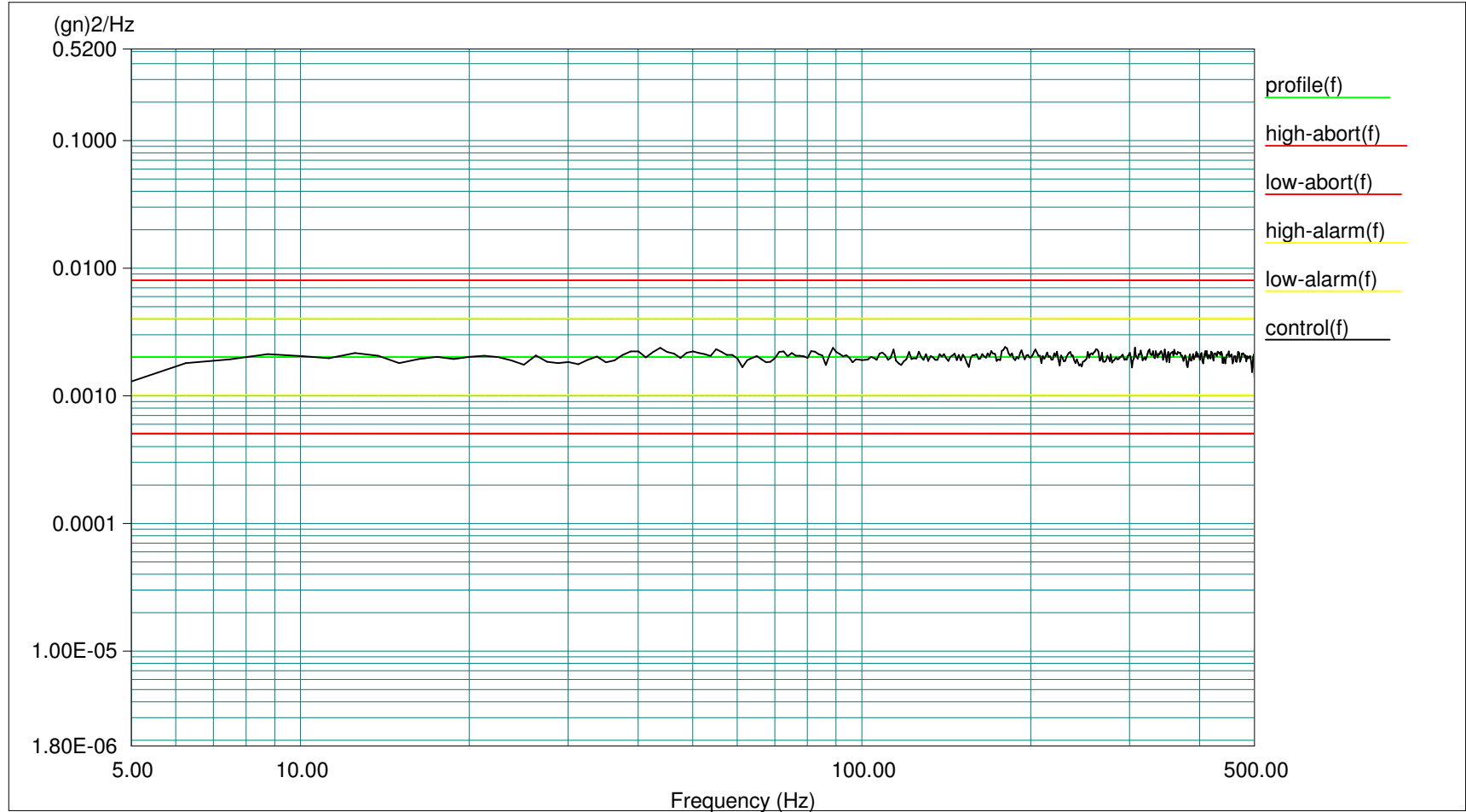
Level: 100 %

Control RMS: 1.003110 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 Apr 11, 2018 10-46-02



Level: 100 %

Control RMS: 1.002561 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-