

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-161006-2

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 : TEP1010-IMX6 series

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

Power Expansion-L130--- TXB-P1-1030V-LAN1

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



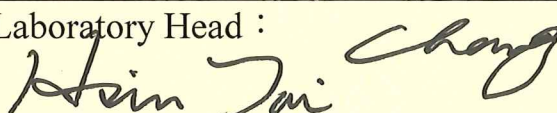
DATE OF RECEIVED : 2016/09/26

DATE OF TESTED : 2016/09/26

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

Test Engineer : 	
Approval Signatory : 	Laboratory Head : 

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TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
2. Vibration Controller : VCS-913⁺, S/N : 1312416
3. Control Accelerometer : Wilcoxon Research WR-777, S/N : 4208

TEST ENVIRONMENT :

Temperature : 26°C (25±10°C)
Relative Humidity : 63%RH (50±25% RH)

SPECIMEN :

Model/(S/N) : TEP1010-IMX6 series
MB TEP5-i.MX6 Quad --- TEP5-IMX6Q
Power Expansion-L130--- TXB-P1-1030V-LAN1
I/O Expansion-XG20 --- TXB-I2-GS2-GC2-GG8

Quantity : 1 unit

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TEST SPECIFICATION :

Random Vibration test (Operating)

Frequency : 5 Hz to 500 Hz

Frequency (Hz)	PSD (g) ² /Hz
5	0.0020202
500	0.0020202

Test Axis : X, Y, Z axis

Acceleration : 1 grms

Test Time : 60 min / axis

Total Test Time : 180 min


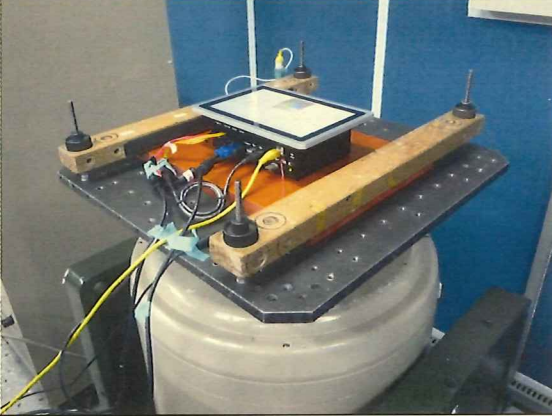
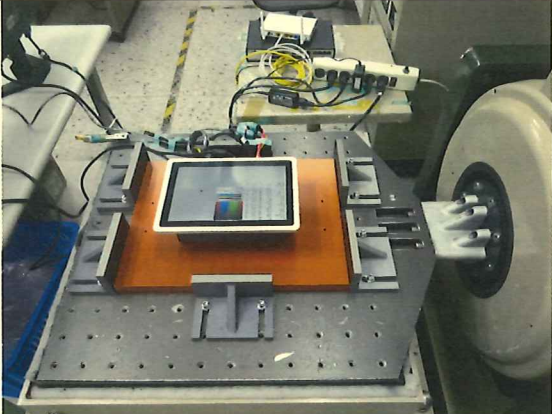
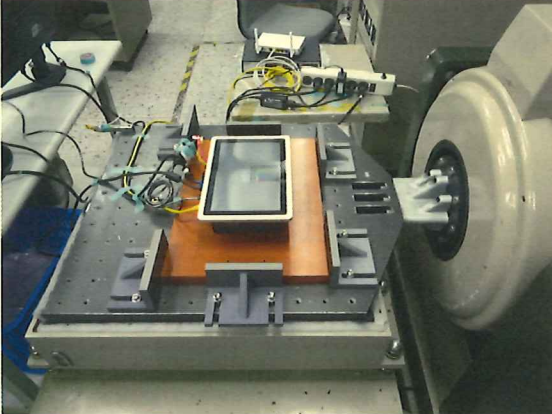
TEST RESULT :

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

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TESTING / INSPECTION REPORT

Vibration testing photos	
Testing equipment	Z axis
	
X axis	Y axis
	

驗

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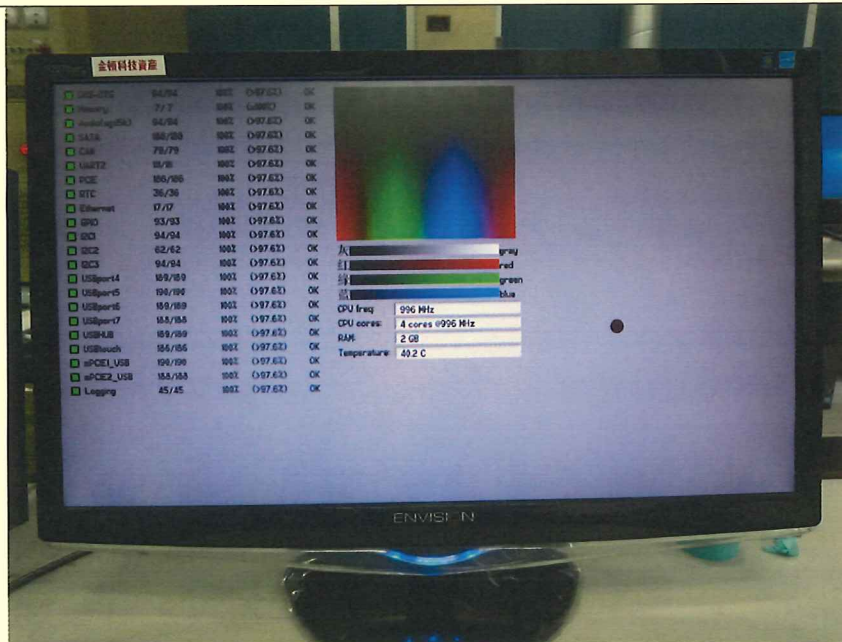
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E-mail:service@kdi.tw

TESTING / INSPECTION REPORT

Testing photos

After test-3



After test-4

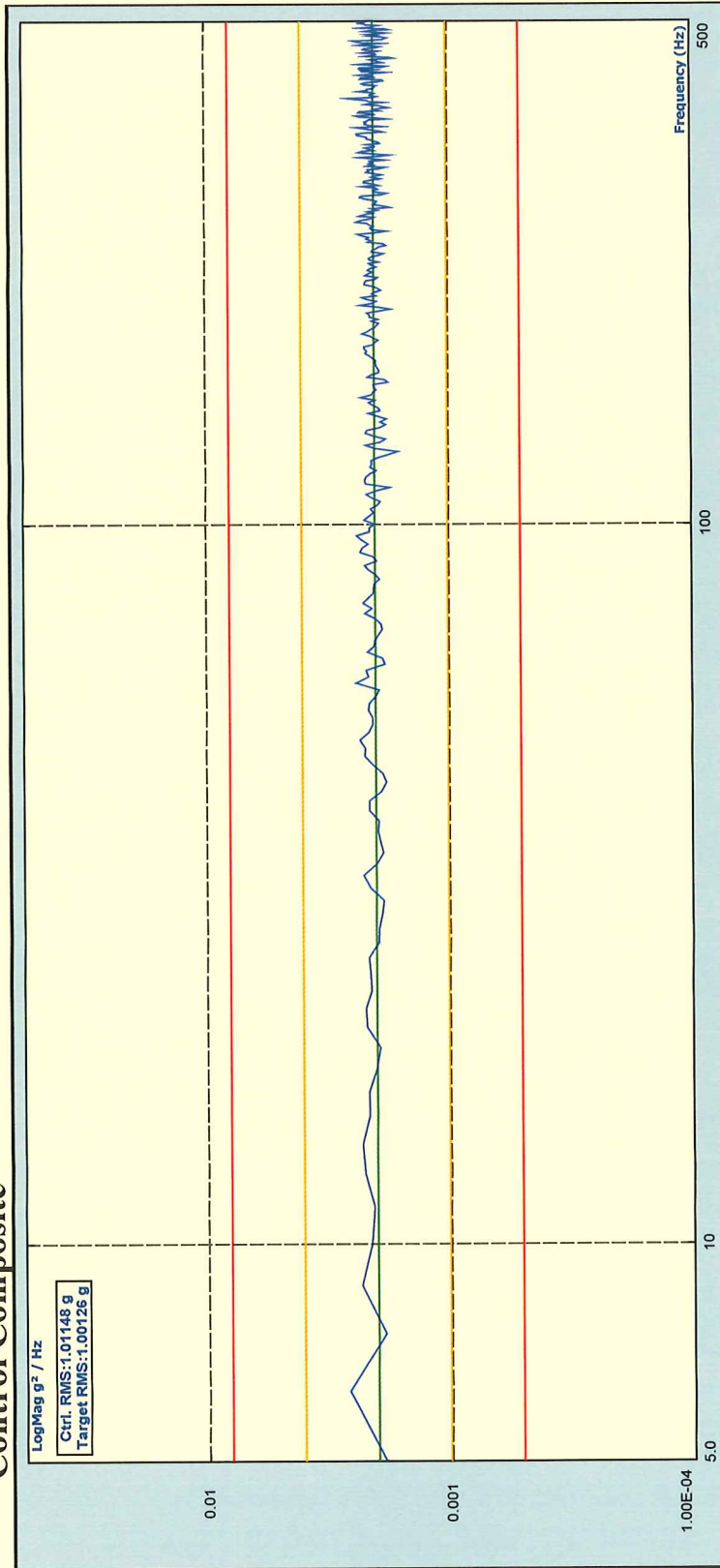




X axis -

Test Name: 5-500Hz 1grms-Copy[VCS (Random)] Test saved at: Sep-26-2016, 10:16:38

Control Composite



Level: 100.00 %

Velocity Pk: 103.3 mm/s

Remaining: 00:00:00

Block Size/Lines: 1024/400

Delta Frequency: 1.250000

Drive Pk: 0.884V

Control RMS: 1.011 g

Total Elapsed: 01:01:23

Frame Time: 0.8 Seconds

Est. Disp. : 4.265 mm Pk-Pk

Target RMS: 1.000 g

Full Level Elapsed: 01:00:00

DOF: 64

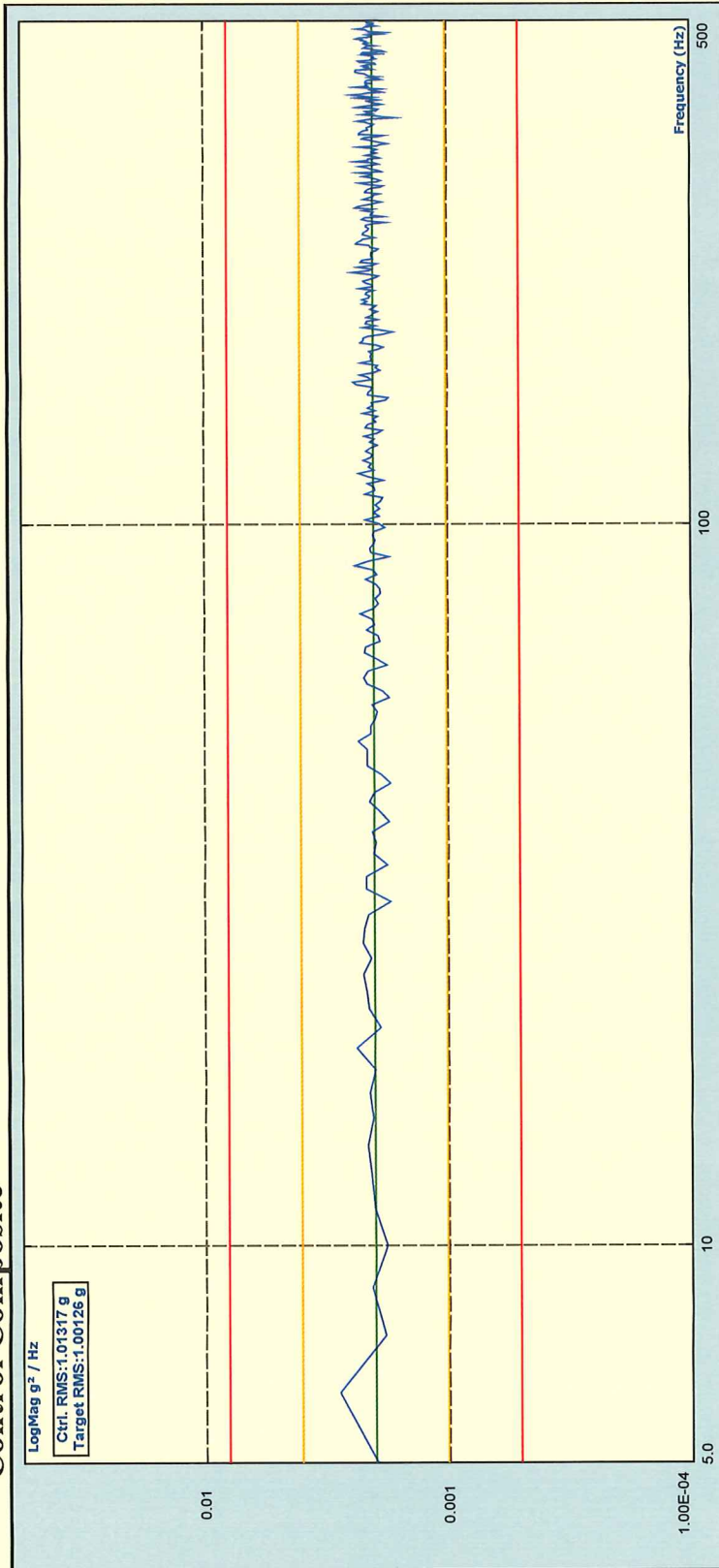




Y axis

Test Name: 5-500Hz 1grms-Copy[VCS (Random)] Test saved at: Sep-26-2016, 10:16:38

Control Composite



Level: 100.00 %	Drive Pk: 0.670V	Est. Disp. : 4.323 mm Pk-Pk
Velocity Pk: 103.1 mm/s	Control RMS: 1.013 g	Target RMS: 1.000 g
Remaining: 00:00:00	Total Elapsed: 01:01:23	Full Level Elapsed: 01:00:00
Block Size/Lines: 1024/400	Frame Time: 0.8 Seconds	DOF: 64
Delta Frequency: 1.250000		

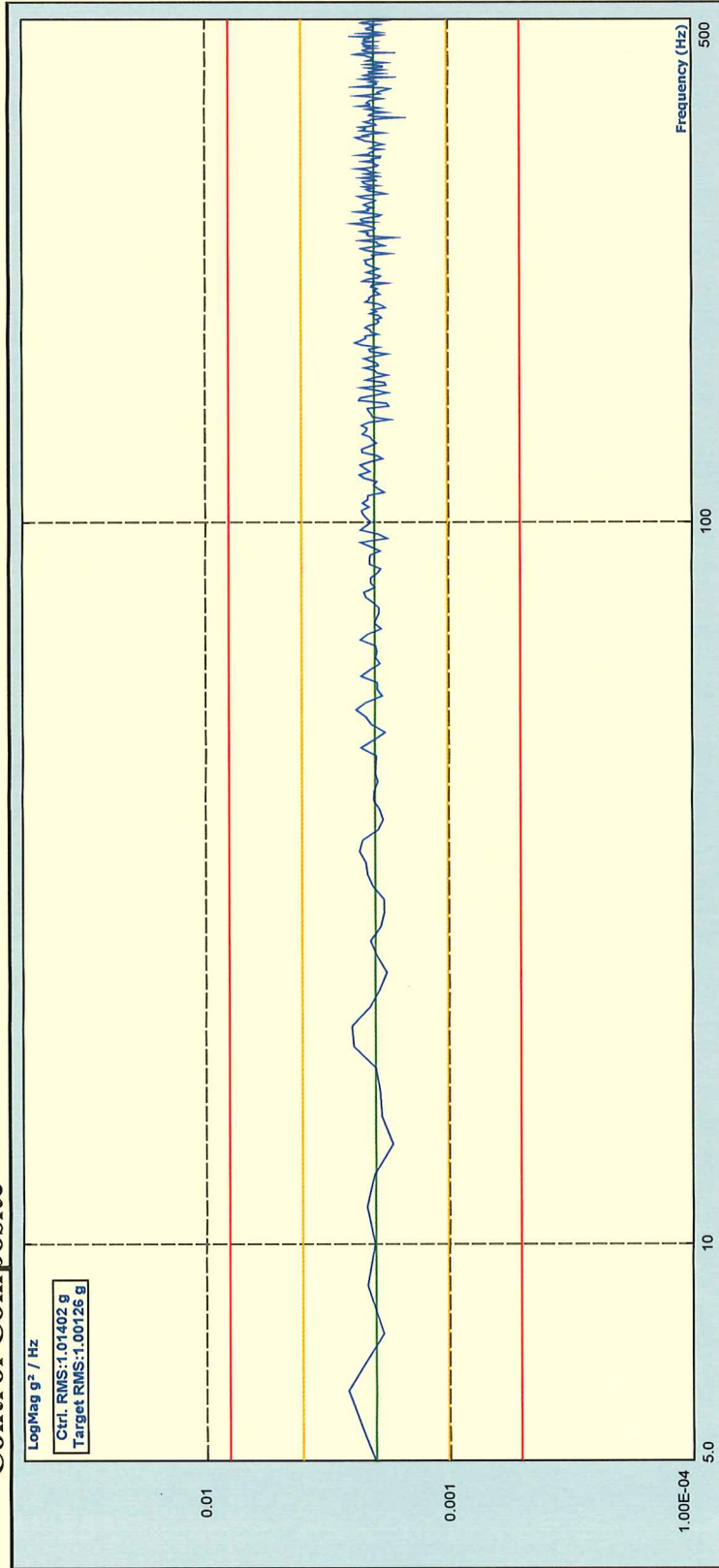




Z axis

Test Name: 5-500Hz 1grms-Copy[VCS (Random)] Test saved at: Sep-26-2016, 10:16:38

Control Composite



Level: 100.00 %

Velocity Pk: 103.0 mm/s

Remaining: 00:00:00

Block Size/Lines: 1024/400

Delta Frequency: 1.250000

-END-

Drive Pk: 0.492V

Control RMS: 1.014 g

Total Elapsed: 01:01:17

Frame Time: 0.8 Seconds

Est. Disp. : 4.322 mm Pk-Pk

Target RMS: 1.000 g

Full Level Elapsed: 01:00:00

DOF: 64