

TKS-EMB

Vibration Test Report

Report NO: 14P030039

Issued by:	<u>Jerry Chen</u>	/	<u>2014/11/21</u>
	Engineer		Date
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	Sr. Manager		Date

Test item list

1. *Test item list* ----- 2
2. *Random Vibration Operation Test* ----- 4

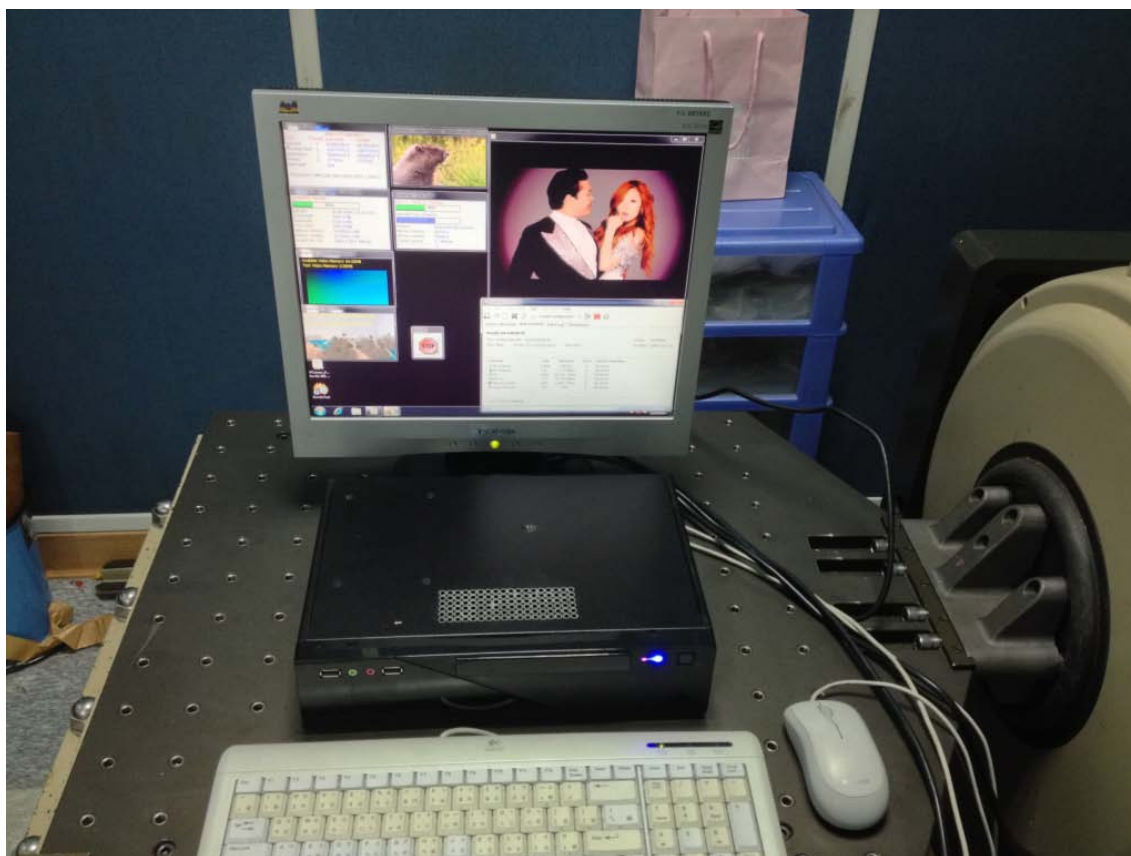
Testing Result

Num	Test item list	Result	Remark
1	Random vibration operation test	Pass	

Configuration of EUT

Num	Item	Spec
1.	System:	TKS-EMB A1.0
	1.Main board	EMB-Q77B R1.0
	2.BIOS Ver.	R1.0 (EQ77BM10) (01/27/2014)
	3.CPU Type	Intel Core™ i7-3770S 3.10GHz
	4. Chipset	Intel PCH BD82Q77
	5. Memory	Transcend DDR3 1600 8GB (SEC K4B4G0846D)
	6. 2.5" HDD	Toshiba SATA 2.5" HDD 100GB / MK1060GSC
	7. Test Software	Windows 7 / Run PassMark BurnIn test 7.1 Pro with run one Microsoft media player simultaneously
2.	Power Supply	DELTA / GPS-200AB A

After Test



Random Vibration Operation Test

Test Date: 11-21-2014

Test Product: TKS-EMB

Test Site: AAEON QE Dept.

Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration; broad-band random test

Test Equipment:

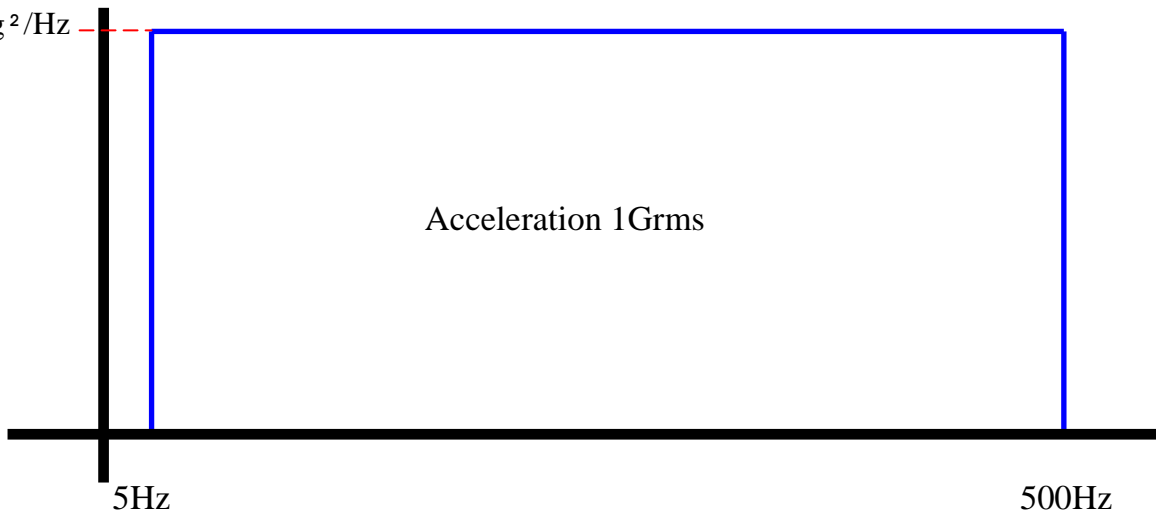
Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 04/25/2014

Test Condition:

1. Operation
2. Test Acceleration: 1Grms Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axes
5. Test Time: 60min each axis
6. Test Software: Windows 7 / Run PassMark BurnIn test 7.1 Pro with run one Microsoft media player simultaneously
7. Test Vibration Curve:

PSD

0.002g²/Hz



Test Result:

The system structure doesn't deformation; Function was passed during system test