

# **AHP-2176**

(with SATA HDD)

## **Vibration Test Report**

**Report NO: 12P030038**

|                     |                         |          |                          |
|---------------------|-------------------------|----------|--------------------------|
| <b>Issued by:</b>   | <b><i>Rex Chang</i></b> | <b>/</b> | <b><i>2012/07/10</i></b> |
|                     | <hr/>                   |          | <hr/>                    |
|                     | <b>Engineer</b>         |          | <b>Date</b>              |
| <b>Reviewed by:</b> | <b><i>Tom Lin</i></b>   | <b>/</b> | <b><i>2012/07/10</i></b> |
|                     | <hr/>                   |          | <hr/>                    |
|                     | <b>Sr. Manager</b>      |          | <b>Date</b>              |

# Test item list

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1. *Test item list* ----- 3
2. *Random Vibration Operation Test* ----- 4

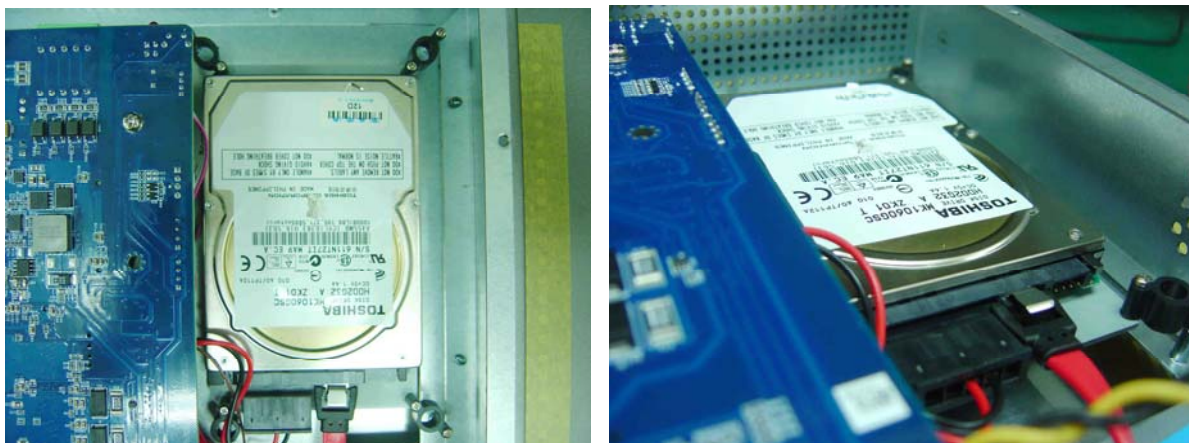
## Testing Result

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

# Random Vibration Operation Test

| Num | Item                 | Spec  |
|-----|----------------------|---|
| 1.  | <b>17" Panel PC:</b> | AHP-2176  |
|     | 1. 17" LCD           | TFT LCD. AUO.G170EG01 V1.1280x1024.350nits. LED backlight |
|     | 2. Main Board        | PBA-QM67 A0.3   |
|     | 3. BIOS Ver.         | AHP-2176 R0.1(2176AM01) (04/12/2012)                      |
|     | 4. CPU               | Intel® Celeron 827E / 1.4GHz                              |
|     | 5. Memory            | DSL / Hynix H5TQ2G83CFR H9C / DDR3 1333 / 2GB             |
|     | 6. Industrial HDD    | TOSHIBA MK1060GSC / 100GB / 2.5" SATA HDD                 |
|     | 7. Test Software     | Windows 7 / Run PassMark Burn In Test 7.0 Pro             |
| 2.  | <b>AC Adapter</b>    | FSP. FSP120-AAB   |

## HDD Kit



# Random Vibration Operation Test

**Test Date:** 07-10-2012

**Test Product:** AHP-2176

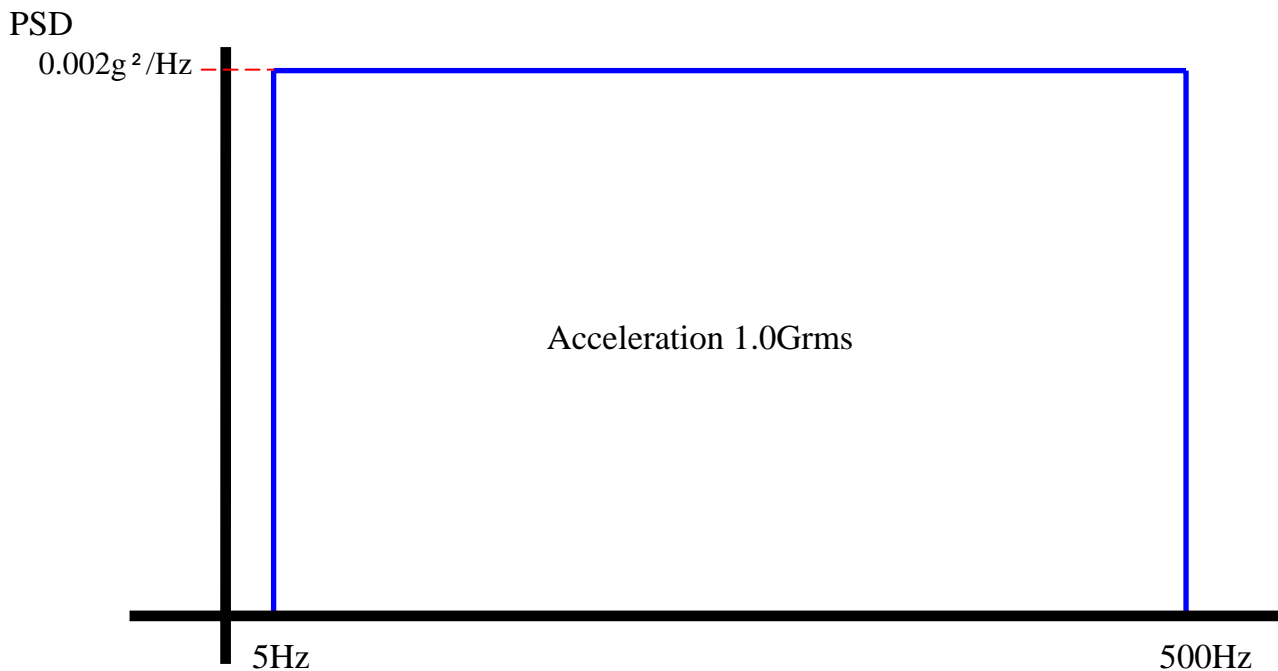
**Test Site:** AAEON QE Dept.

**Test Standard:** Reference IEC68-2-64 Testing procedures  
Test Fh: Vibration boardband random test

**Test Equipment:**  
Vibration Simulator System  
KING DESIGN Co. LTD.  
Model: KD 9363-EM-600F2K-40N20  
Serial Number: UU110099090  
Date of Calibration: 10/11/2011

**Test Condition:**

1. Operation
2. Test Acceleration: 1.0Grms 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 one Microsoft media player simultaneously.
7. Test Vibration Curve:



**Test Result:**  
The structure of the system did not deform after testing, and all functions still work will.