

ASUSTeK COMPUTER INC.	EAHG4670 Standard Operation Procedure	Doc. No:	
		Date: JUL. 29, 2009 Revision:1.00	
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Rev.	Modified Chapters	Modification Description	Issued Dept.	Issued by	Revised Date
1.00		First release	GTC	Janice_Pang	JUL.29,2009

Authorize by		Review by		Originator By	Janice
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## 1.Objectives

Create test procedure.

## 2.Scope

Model: EAHG4670

PN: C1CNC0

## 3.Test Item

3.1 Diagnostic test in DOS

3.2 3DMark06(contain HDMI test)

## 4.Relevant Document

None.

**5.Definition :** If you test HDMI already, it's unnecessary to test HDCP. The HDMI contains HDCP function.

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## 6. Operation Procedures:

### 6.1 Attention

- 6.1.1 To avoid damaging devices or M/B, please turn off A/C power then unplug VGA card.
- 6.1.2 While unplugging the card, do it in upright direction to avoid damaging slot & golden finger.
- 6.1.3 If any problem happens, please inform test supervisor. Base on ATX power specification, +5V standby voltage is existed while AC power is connecting. For safety reason, please turn off main power during break time or idling test.
- 6.1.4 Some test items should be tested under Windows environment. (Please install windows test environment by yourself).

## 6.2 Fixture connect

6.2.1 Install Intel P5 CPU & CPU Fan.

6.2.2 Install DDR2 **667/800M** 1GB Memory to DIMM1~2.

6.2.3 Plug USB Mouse and PS/2 Keyboard into MB.

6.2.4 Plug VGA Card EAHG4670 into PCIEX16.



6.2.5 Connect SATA HDD & SATA con via SATA cable

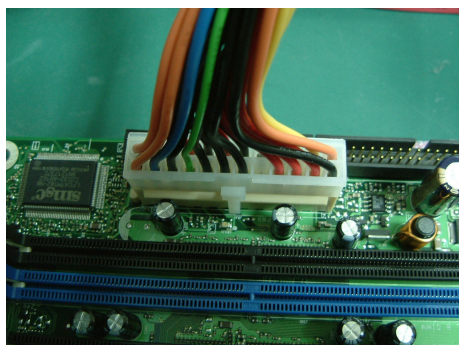


SATA



6.2.6 Plug 4PIN 12V power(**600W**) cable into CON12V.

6.2.7 Plug ATX Power(**600W**) on Power Connector.

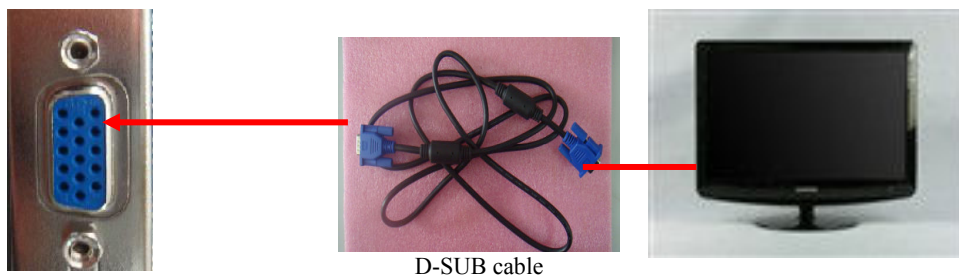


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## 6.3 Certain test.

### 6.3.1 Diagnostic test in DOS

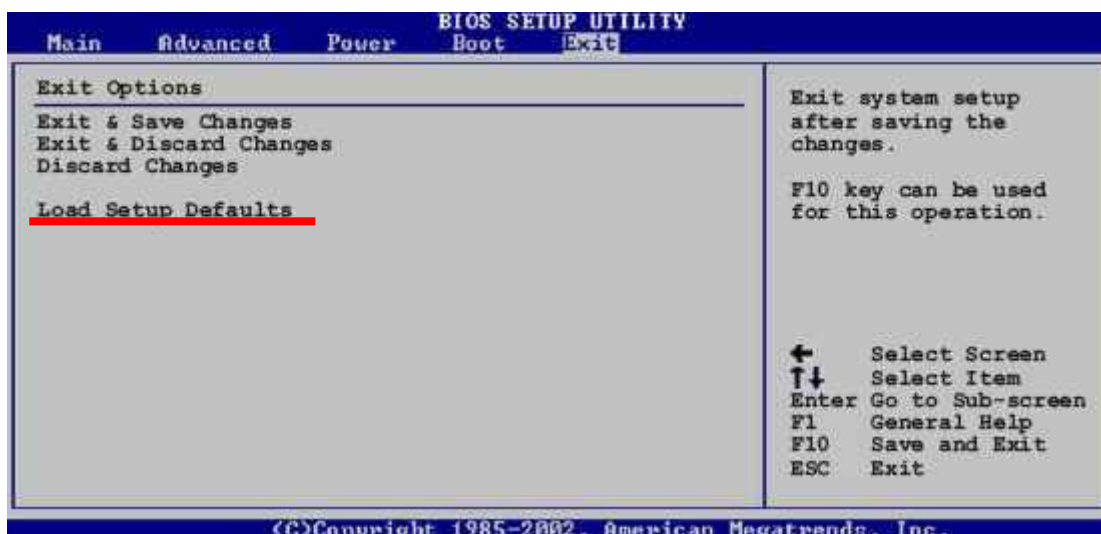
6.3.1.1 Please connect LCD monitor & card's D-SUB CON via a D-SUB cable.



6.3.1.2 Press Power Switch then turn on power button.

6.3.1.3 Press “Del” to enter CMOS setup menu while boot screen is displaying.

**EXIT -> Load Setup Defaults.**



6.3.1.4 System will reboot, select DOS to run test program.

Path:VBAT\EAHG4670\BATCH\

Run the test program refer to the prompt.

6.3.1.5 Memory test

If you want to test memory, please run memfa.bat.

Path:VBAT\EAHG4670\RV730\

6.3.1.6 BIOS flash

Please use the following command to flash bios and notice the size of character.

Path:VBAT\EAHG4670\BIOS

Command:**atiflash -p -f 0 xxx.rom**

6.3.1.7 After finish DOS testing, please enter Windows environment to test 3DMark.

### 6.3.2 3DMark test(contain HDMI test)

6.3.2.1 Please install 3DMark program by yourself.

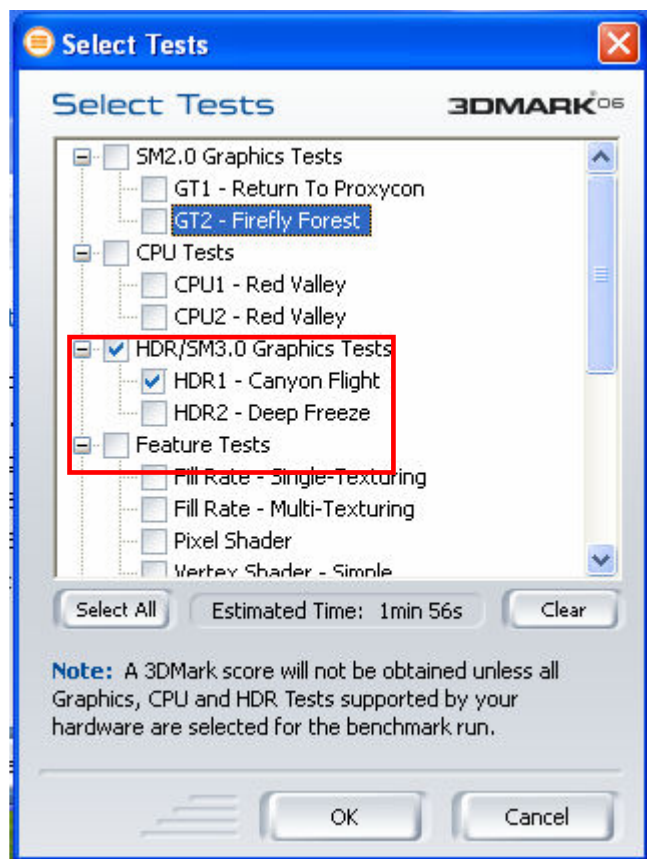
6.3.2.2 Please connect LCD monitor & card's DVI CON via a DVI cable.



6.3.2.3 Please install VGA card driver in Windows(You must use individual driver of this card).

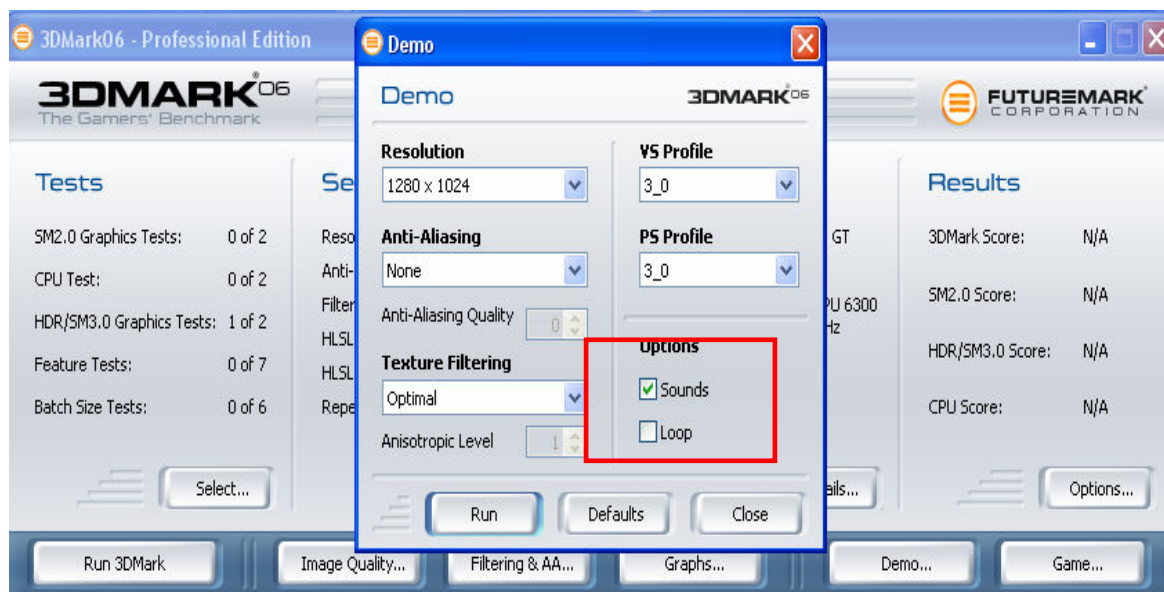
6.3.2.4 Please run 3DMark06 base on this card (please test 1 cycle).

6.3.2.5 Press “Select” to enter Select test menu. You can choose “HDR1” for default setting.





6.3.2.6 Press “Demo” to enter Demo menu. You can choose “Sounds” for default setting.



6.3.2.7 Please pay attention to check if there is flickering, discolor, crash and so on.

If there's no problem, it can be judged OK!

6.3.2.8 Please listen to voice carefully to check whether it outputs sounds. If not, HDMI test fail.



6.3.2.9 If test OK, please NTF test.

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## 7 Appendix

NO#	Equipment Description	ASUS Part#	Supplier	Quantity	Remarks
1	SAMSUNG 2232MW			1	
2	PS/2 MOUSE			1	
3	PS/2 KEYBOARD			1	
4	ATX POWER SUPPLY(600W)			1	
5	INTEL P5 CPU			1	
6	Heat sink + FAN	22-240000160		1	
7	APACER 800MHz 512M or 800MHz 1G			512M 2 or 1G 1	
8	SATA HDD			1	
9	SATA HDD Cable	14-000107070	ASUS	1	
10	PCIEX16 VGA CARD			1	
11	D-SUB extend cable (Buying a local D-SUB cable by yourself)			1	
12	Power Cable	14G000602510 /14G000602502		1	
13	Dual link DVI cable (Buying a local DVI cable by yourself)			1	
14	HDMI extend cable (Buying a local HDMI cable by yourself)			1	
15	LCD "Y" Cable	14-010230000		1	
16	P5E	80-MBB7X0-G0A01		1	



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