

ASUSTeK COMPUTER INC.	EN8800GS Management Procedure	Doc. No:	
		Date: JAN. 19, 2009 Revision:1.02	
		Page: 5	Grade:

Rev.	Modification	Modify description	Issue div.	Originator
1.00		First Release	T.C.	Janice
1.01		Add New P/N(C1CK50)	T.C.	Janice
1.02		Modify for new test structure	T.C	Janice

Authorize by		Review by		Originator By	Janice
-----------------	--	--------------	--	------------------	--------

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009
		Rev. : 1.02 Page: 1
<div>1.Objectives</div> <div>Create test procedure.</div> <div>2.Scope</div> <div>Model: EN8800GS</div> <div>PN: C1CKB0 C1CK50</div> <div>3.Test Item</div> <div>3.1 Diagnostic test in DOS</div> <div>3.2 3DMark06(contain HDMI test)</div> <div>4.Relevant Document</div> <div>None.</div> <div>5.Definition : 1. If the model name contains P, please test HDCP function.</div> <div>Ex: EN***/HTDP/512M/A</div> <div>2. If you test HDMI already, it's unnecessary to test HDCP. The HDMI contains HDCP function.</div>		

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009
		Rev. : 1.02 Page: 2

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).

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009 Rev. : 1.02 Page: 3

6.2 Fixture connect

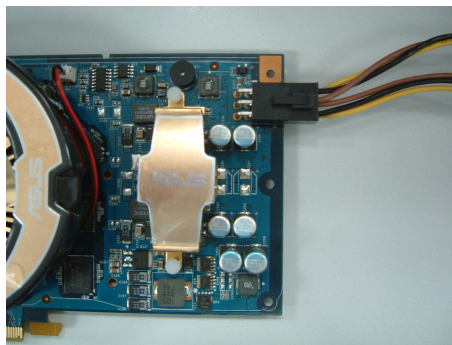
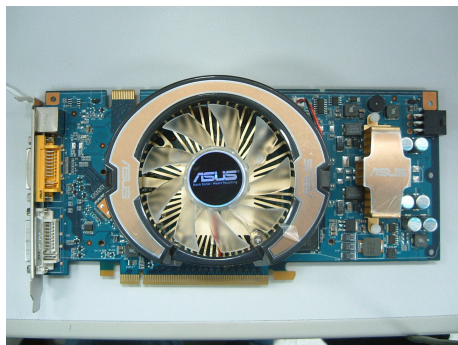
6.2.1 Install Intel P5 CPU & CPU Fan.

6.2.2 Install DDR3 1GB Memory to DIMM1~2.

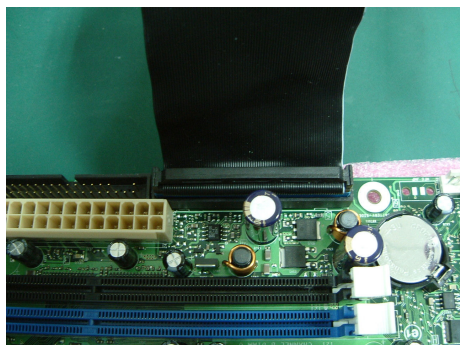
6.2.3 Plug PS/2 Mouse and PS/2 Keyboard into MB.

6.2.4 Plug VGA Card EN8800GS into PCIEX16.

6.2.5 Connect power con of VGA card & Power supply via bundled power cable.

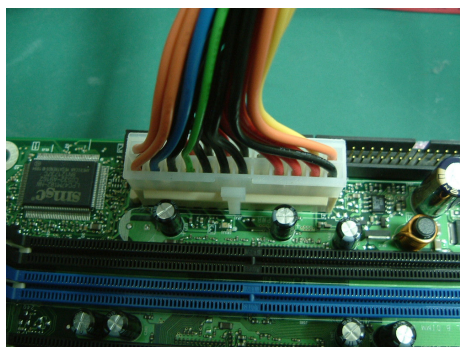


6.2.6 Connect IDE HDD with IDE CON.



6.2.7 Plug 4PIN 12V power cable into CON12V.

6.2.8 Plug ATX Power on Power Connector.



6.3 Diagnostic test in DOS

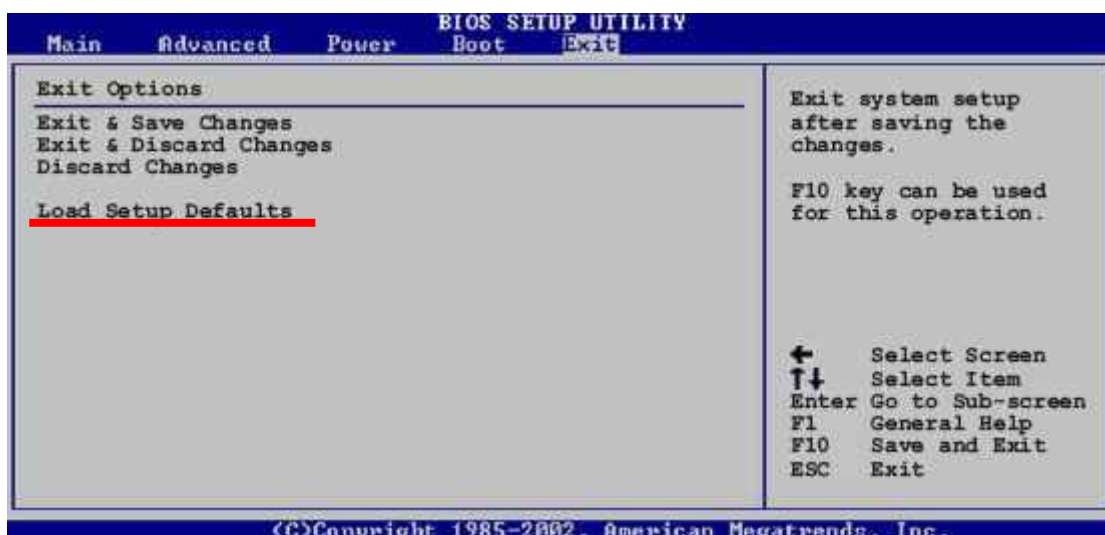
6.3.1 Please connect LCD monitor & card's DVI CON via a DVI cable.



6.3.2 Press Power Switch then turn on power button.

6.3.3 Press "Del" to enter CMOS setup menu while boot screen is displaying.

EXIT -> Load Setup Defaults.



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

Path: VBAT\EN8800GS\BATCH\

Run the test program refer to the prompt.

6.3.5 Memory test

If you want to test memory, please run mats.exe.

Path: VBAT\EN8800GS\TESTSUIT\

6.3.6 BIOS flash

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

Path: VBAT\EN8800GS\BIOS

Command: **nvflash xxx.rom -4 -5 -6 -A -y**

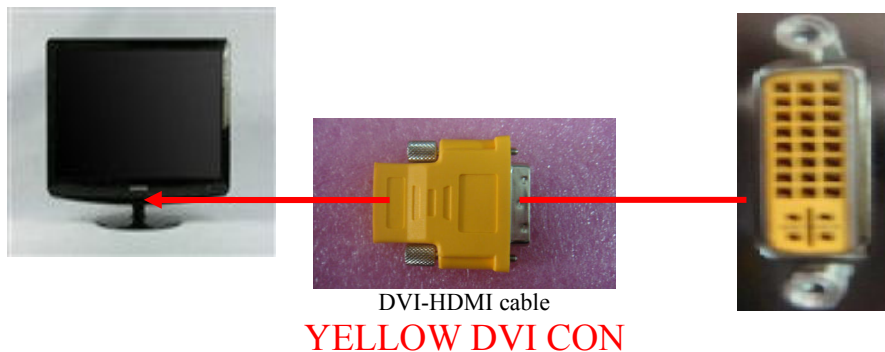
6.3.7 After finish DOS testing, please enter Windows environment to test 3DMark.

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No: Date: JAN. 19, 2009 Rev. : 1.02 Page: 5
----------------------	-------------------------------	--

6.4 3DMark test(contain HDMI test)

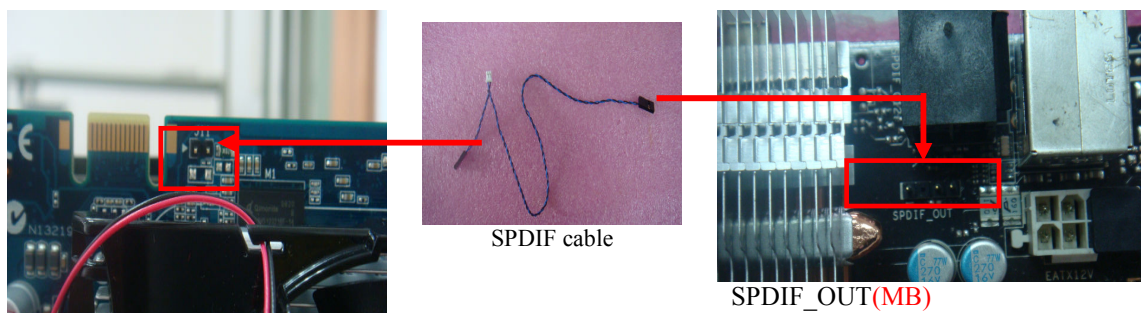
6.4.1 Please install 3DMark program by yourself.

6.4.2 Please connect VGA card to LCD via HDMI cable.



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

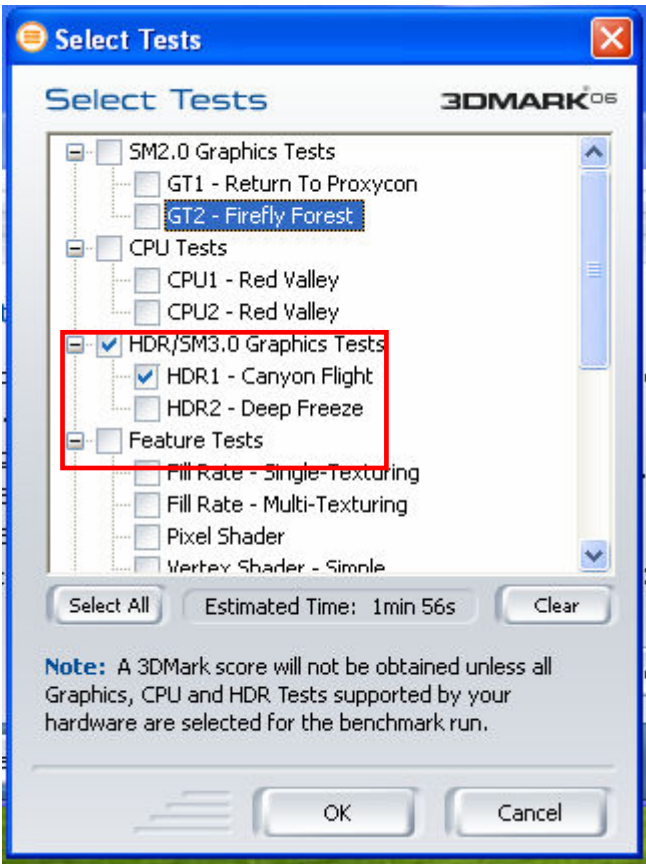
6.4.4 Plug 4 Pin black cable into SPDIF_OUT of MB. Plug another 2 Pin white cable into SPDIF_IN of VGA card.



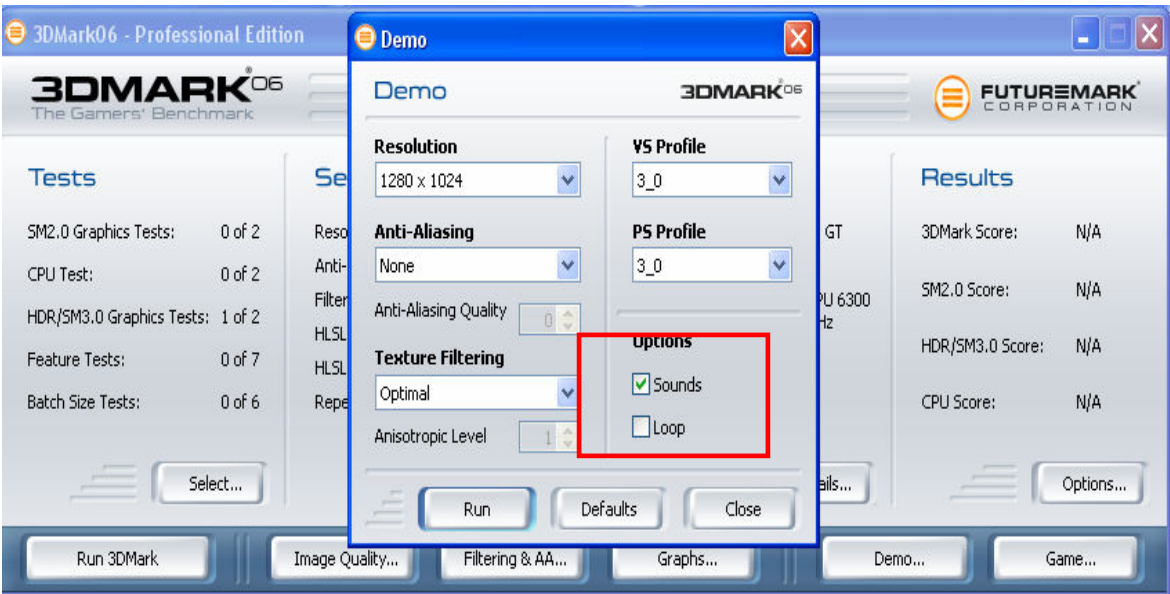
6.4.5 Plug SUPREME FX II card into PCIEX1 of MB.



- 6.4.6 Please install SUPREME FX II card driver in Windows and enter Windows to test HDMI.
- 6.4.7 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.



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



ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009
		Rev. : 1.02 Page: 7

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

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










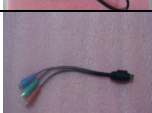




6.4.11 Listen to voice carefully to check whether it outputs sounds. If not, HDMI test fail.



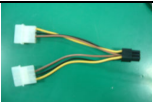



6.4.12 If test OK, please NTF test.

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009
		Rev. : 1.02 Page: 8

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	DDR3	22-TT0000452		2	
8	TEST HDD			1	
9	40Pins IDE Cable ATA66		ASUS	1	
10	PCIEX16 VGA CARD			1	
11	D-SUB extend cable (Buying a local D-SUB cable by yourself)			1	
12	S CABLE(NVIDIA)	14G010005113 /14G010005100		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	TV extend cable (Buying a local TV cable by yourself)			1	
16	DVI-HDMI	04G460002400 /04G460002450		1	

ASUSTeK COMPUTER INC	EN8800GS Management Procedure	Doc. No:
		Date: JAN. 19, 2009
		Rev. : 1.02 Page: 9

17	Power Cable	14G000602510 /14G000602502		1		
18	SPDIF CABLE	14G003200813 /14G003200810		1		
19	SUPREME FX II	80-C1BHK5-0C01		1		
20	LCD “Y” Cable	14-010230000		1		
21	P5E64 WS PRO	80- MBB830		1		