

ASUSTeK COMPUTER INC.	EN8600GT Management Procedure	Doc. No:	
		Date: Jan. 15, 2009 Revision:1.14	
		Page: 8	Grade:

Rev.	Modification	Modify description	Issue div.	Originator
1.00		First Release	T.C	Janice
1.01		Add New P/N (C1CJ85)	T.C	Janice
1.02		Add New P/N (C1CJ5A)	T.C	Janice
1.03		Add New P/N (C1CJ5F)	T.C	Janice
1.04		Add New P/N (C1CJ8A)	T.C	Janice
1.05		Add New P/N (C1CJ8K)	T.C	Janice
1.06		Add New P/N (C1CJ8M)	T.C	Janice
1.07		Add New P/N (C1CJ55)	T.C	Janice
1.08		Add New P/N (C1CJ56)	T.C	Janice
1.09		Add New P/N (C1CJ5K)	T.C	Janice
1.10		Add New P/N (C1CJP0)	T.C	Janice
1.11		Add New P/N (C1CJQ0)	T.C	Janice
1.12		Add New PCBA (C1CJ5K-B41)	T.C	Ariel
1.13		Add New PCBA (C1CJ5K-B51)	T.C	Ariel
1.14		Modify for new test structure	T.C	Janice

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

ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009
		Rev. : 1.14 Page: 1

## 1.Objectives

Create test procedure.

## 2.Scope

Model: EN8600GT

PN: C1CJ50 C1CJ85 C1CJ5A C1VJ5F  
C1CJ8A C1CJ8K C1CJ8M C1CJ55  
C1CJ56 C1CJ5K(B01&B31&B41&B51)  
C1CJP0(A01&A21) C1CJQ0

## 3.Test Item

3.1 Diagnostic test in DOS

3.2 3DMark05

## 4.Relevant Document

None.

**5.Definition :** 1. If the model name contains P, please test HDCP function.

Ex: EAH\*\*\*/HTDP/512M/A

2. If you test HDMI already, it's unnecessary to test HDCP. The HDMI contains HDCP function.

ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009
		Rev. : 1.14 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	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009 Rev. : 1.14 Page: 3

## 6.2 Fixture connect

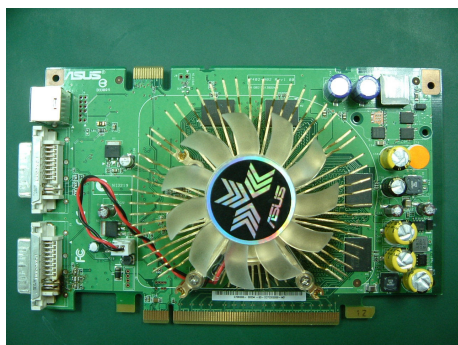
6.2.1 Install Intel P5 CPU & CPU Fan.

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

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

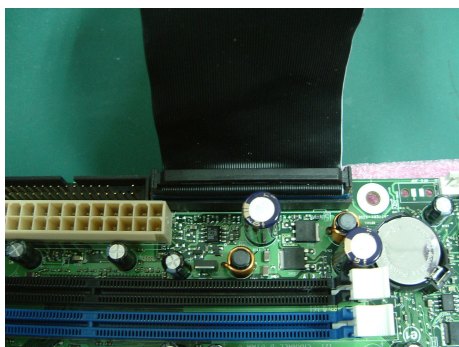
6.2.4 Plug VGA Card EN8600GT into PCIEX16.

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



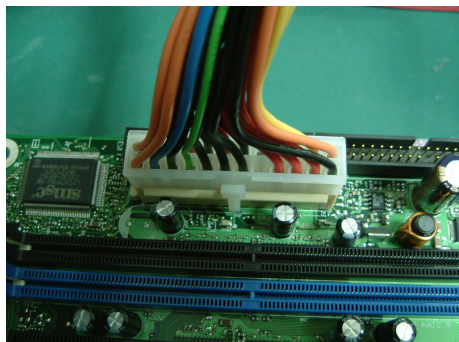
C1CJ50

6.2.6 Connect IDE HDD with IDE CON.



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

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



## 6.3 Diagnostic test in DOS

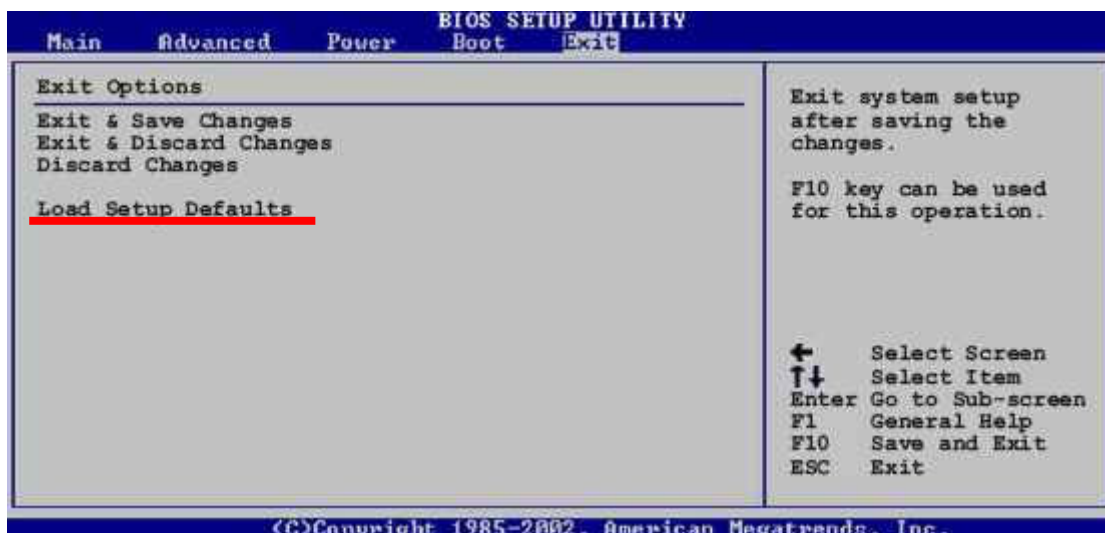
6.3.1 Please connect LCD monitor & card's DVI CON via a DVI cable.



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\ EN8600GT \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\ EN8600GT\TESTSUIT \

6.3.6 BIOS flash

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

Path: VBAT\ EN8600GT \BIOS

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

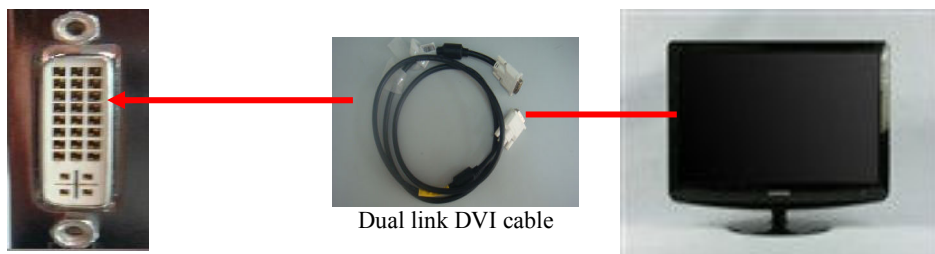
6.3.7 After finish DOS testing, please enter Windows environment to test 3DMark.

ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No: Date: Jan. 15, 2009 Rev. : 1.14 Page: 5
----------------------	-------------------------------	--

## 6.4 3DMark test

6.4.1 Please install 3DMark program by yourself.

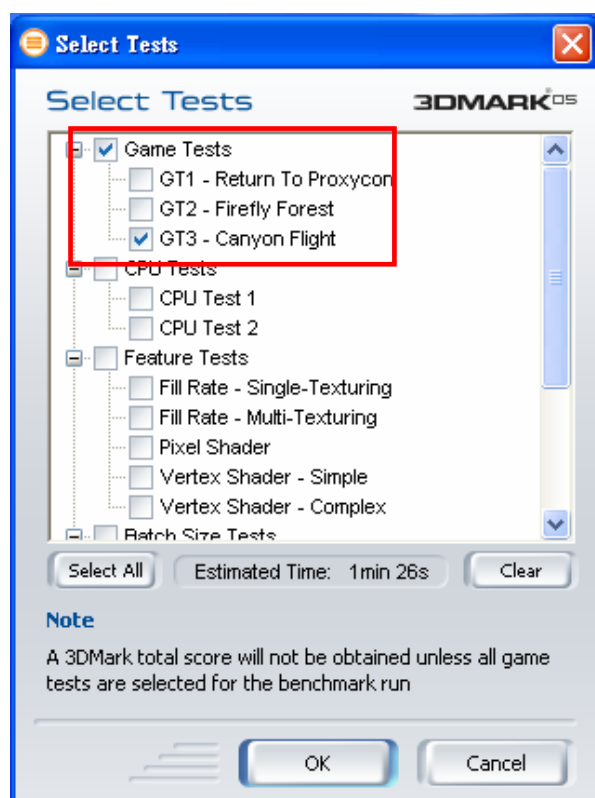
6.4.2 Please connect LCD monitor & card's DVI CON via a DVI cable.



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

6.4.4 Please run 3DMark05 base on this card (please test 1 cycle).

6.4.5 Press “Select” to enter Select test menu. You can choose “GT3” for default setting.



ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009 Rev. : 1.14 Page: 6

6.4.6 Please pay attention to check if there is flickering, discolor, crash and so on.  
If there's no problem, it can be judged OK!



6.4.7 If test OK, please NTF test.


ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009
		Rev. : 1.14 Page: 7

## 7.Appendix

NO#	Equipment Description	ASUS Part#	Supplier	Quantity	Remarks
1	LCD MONITOR		SAMSUNG 2232MW	1	
2	USB MOUSE			1	
3	PS/2 KEYBOARD			1	
4	ATX POWER SUPPLY (a minimum power of 600W)			1	
5	INTEL P5 CPU			1	
6	Heat sink + FAN	22-240000160		1	
7	MEMORY DDRII	APACER 800MHz 512M or 800MHz 1G		512M 2pcs or 1G 1pcs	
8	Test HDD(with TestProgram)			1	
9	SATA HDD Cable	14-000107070	ASUS	1	
10	PCIEX16 VGA CARD			1	
11	S CABLE(NVIDIA)	14G010005113 /14G010005100		1	
12	D-SUB extend cable (Buying a local D-SUB cable by yourself)			1	
13	Dual link DVI cable (Buying a local DVI cable by yourself)			1	
14	LCD "Y" Cable	14-010230000		1	
15	TV extend cable (Buying a local TV cable by yourself)			1	



ASUSTeK COMPUTER INC	EN8600GT Management Procedure	Doc. No:
		Date: Jan. 15, 2009
		Rev. : 1.14 Page: 8

16	<b>P5E MB(FOR C1CJ5K-B51 and after )</b>	<b>80- MBB7X0-G0A01</b>		<b>1</b>	
17	<b>Power Cable</b>	<b>14G000602510</b>		<b>1</b>	
18	<b>P5LD2 MB (FOR C1CJ5K-B41 and before)</b>	<b>80- MBL1A5-* 80- MBB4W0-*</b>			