Rev.	Modification	Modify description	Issue div.	Originator
1.00		First Release	T.C	Janice
1.01		Add New P/N (C1CJ7A)	T.C	Janice
1.02		Add New P/N (C1CJ75)	T.C	Janice
1.03		Add New P/N (C1CJ7M)	T.C	Janice
1.04		Add New P/N (C1CJ7P)	T.C	Janice
1.05		Add New P/N (C1CJ7K)	T.C	Janice
1.06		Add New P/N (C1CJ7N)	T.C	Daisy
1.07		Add New P/N (C1CJG0)	T.C	Janice
1.08		Add New P/N (C1CJ7T)	T.C	Daisy
1.09		Add New P/N (C1CJ7W)	T.C	Paul
1.10		Add New P/N (C1CJ7N-A53)	T.C	Robin
1.11		Modify for new test structure	T.C	Janice
1.12		Add New P/N (C1CLL0)	T.C	Janice

Authorize by		Review by		Originator By		Daisy

1.Objectives

Create test procedure.

2.Scope

Model: EN8500GT
PN: C1CJ70   C1CJ7A   C1CJ75   C1CJ7M
            C1CJ7P   C1CJ7K   C1CJ7N   C1CJG0
            C1CJ7T   C1CJ7W   C1CJ7N-A53 C1CLL0

3.Test Item

3.1 Diagnostic test in DOS
3.2 3DMark03

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.

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 667/800 1GB Memory to DIMM1~2.
6.2.3 Plug PS/2 Mouse and PS/2 Keyboard into MB.
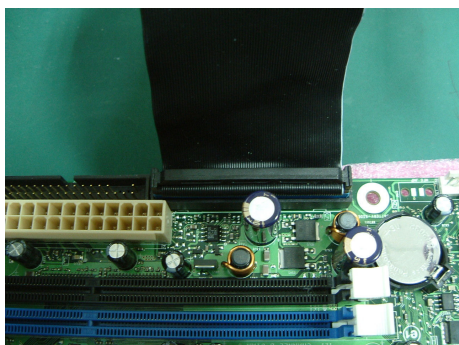6.2.4 Plug VGA Card EN8500GT into PCIEX16.
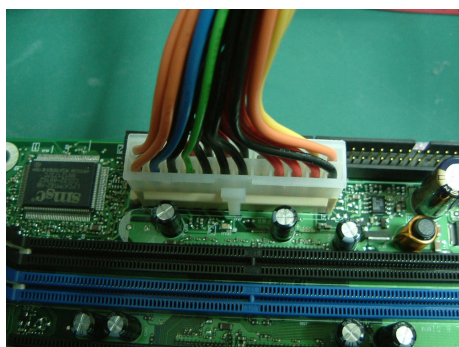

C1CJ70   C1CJ7N
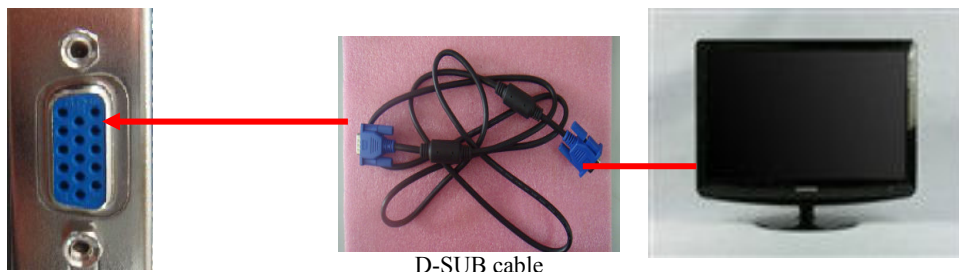
6.2.5 Connect IDE HDD with IDE CON.

6.2.6 Plug 4PIN 12V power(600W) cable into CON12V.
6.2.7 Plug ATX Power on Power(600W) Connector.
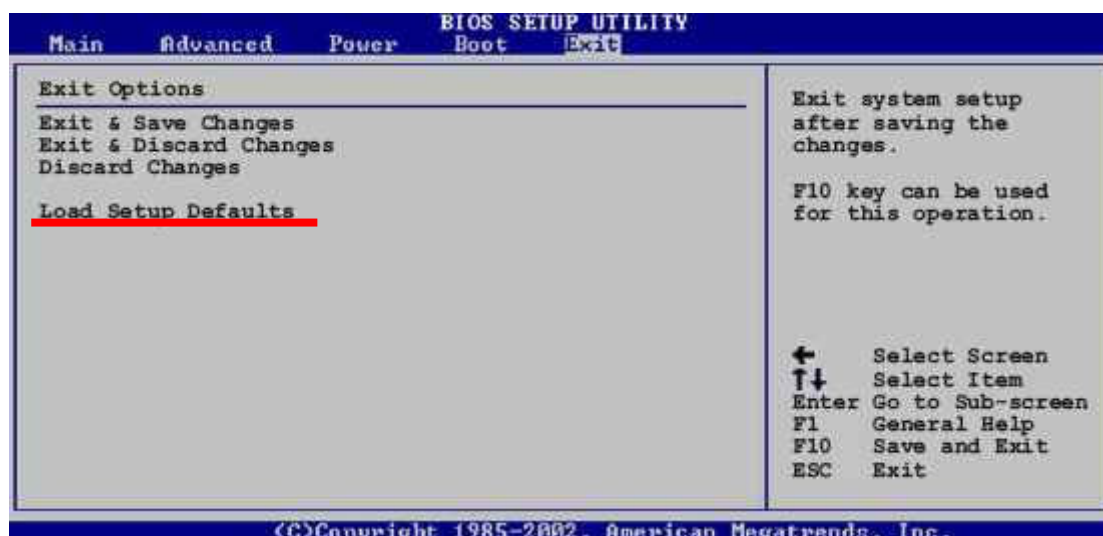
6.3 Diagnostic test in DOS

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

D-SUB 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\EN8500GT\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\EN8500GT\TESTSUIT\

6.3.6 BIOS flash
Please use the following command to flash bios and notice the size of character.
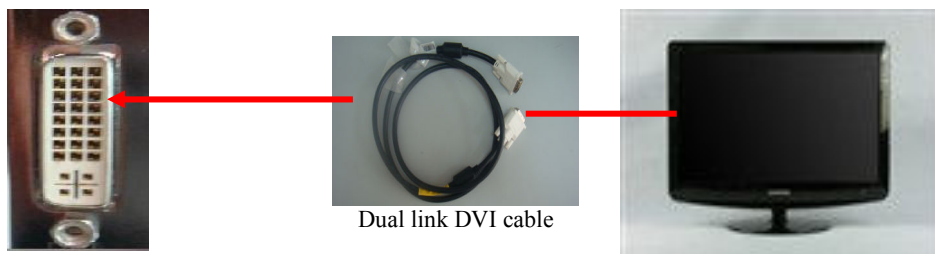Path:VBAT\EN8500GT\BIOS
Command:nvflash xxx.rom -4 -5 -6 -A -y

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

6.4 3DMark test

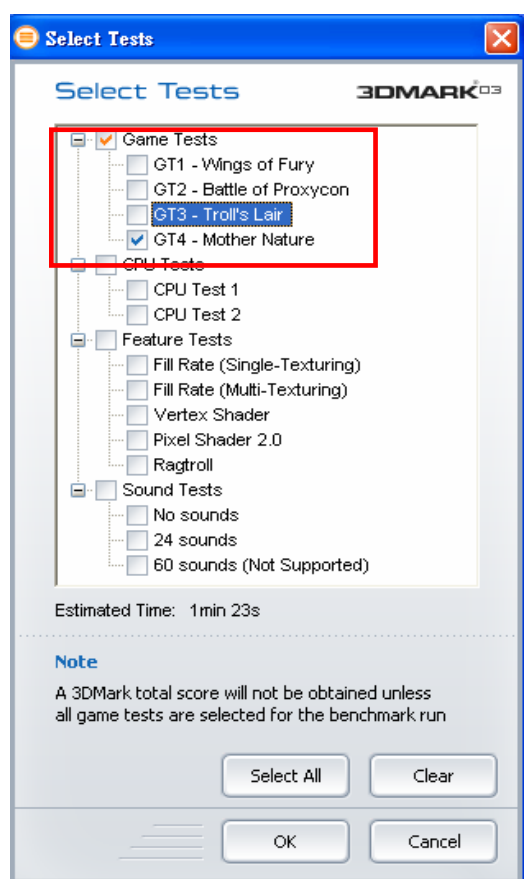6.4.1 Please install 3DMark program by yourself.

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

Dual link 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 3DMark03 base on this card (please test 1 cycle).

6.4.5 Press "Select" to enter Select test menu. You can choose "GT4" for default setting.

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.

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 or CPU HH80557PH0362M QPHC INT E6300 1.86G/1066**	**20-T10440147 & 01G011750001H2**		**1**	
6	**Heat sink + FAN**	**22-240000160**		**1**	
7	**APACER 800MHz 512M or 800MHz 1G**			**512M 2 or 1G 1**	
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(NVDIA)**	**14G010005113 /14G010005100**		**1**	
13	**Dual link DVI cable (Buying a local DVI cable by yourself)**			**1**	
14	**TV extend cable (Buying a local TV cable by yourself)**			**1**	
15	**P5LD2 MB**	**80- MBL1A5-***		**1**	
16	**P5K MB For C1CI75-A53**	**80-MBB670-***		**1**	
17	**LCD "Y" Cable**	**14-010230000**		**1**	