Rev.	Modification	Modify description	Issue div.	Originator
1.00		First Release	T.C	Kelvin

1.Objectives

  Create test procedure.

2.Scope

  Model: EN8800GT
  PN: C1D105

3.Test Item

  3.1 S-terminal test
  3.2 Diagnostic test in DOS use CRT
  3.3 3DMark test in Windows use LCD
  3.4 Other test

4.Relevant Document

  None.

5.Definition

  None.

6.Operation Procedures:

6.1 Attention

6.1.1 To avoid damage device or M/B and discharge after turn off A/C power.

6.1.2 While unplugging the card, do it in upright direction to avoid damage deviation to golden finger.

6.1.3 If it happens in problem, please inform to test supervisor. According to the ATX power specification, the +5V standby voltage is existing While AC 110V is connecting, for safely reason, Turn off main power when Test id idling or during break time.

6.2 Prepared Item

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 Keyboard into PS/2 port.

6.2.4 Plug VGA Card EN8800GT into PCIEX16.

6.2.5 Connecter VGA Card and CRT use LCD "Y" Cable.

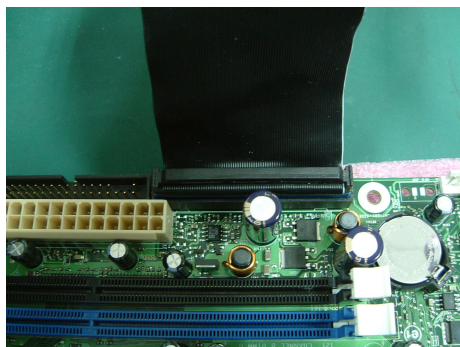6.2.6 Connecter VGA Card and Power use Power Cable.

6.2.7 Fixture connect

6.2.7.1 If the card have S-Terminal CON on it,please connect it to TV use S-terminal cable.

6.2.7.2 Connect the card's VGA CON with a LCD monitor to test Diagnostic in DOS

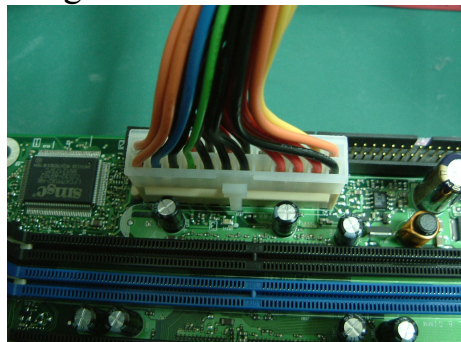6.2.7.3 Connect the card's DVI CON with a LCD monitor to test 3DMark in Windows.
   (If there's no DVI CON on the card,please use a CRT Monitor to test).

6.2.8 Connect IDE HDD with IDE CON.

6.2.9 Plug 4PIN 12V power cable into CON12V.

6.2.10 Plug ATX Power on Power Connector.

6.3 Test step

6.3.1 Press Power Switch then presses the "Power Button" to power on.

6.3.2 Press "Del" to enter CMOS setup menu when booting screen display.

EXIT -> Load Setup Defaults.

6.3.3 Test flow

6.3.3.1 If there's a S-terminal CON on the card,Please connect it with a TV and then power
on to check if it have display on the TV.If so,test OK.Then power down.

(Please refer to step 6.2.6.1)

6.3.3.2 System will reboot.Select DOS to run test program.

(Please refer to step 6.2.6.2)

Path: VBAT\EN8800GT\BATCH\C1D105.BAT

Run the test program refer to the prompt.

6.3.3.3 After DOS test,please enter Windows to test 3Dmarks.

(Please refer to step 6.2.6.3)

(Please install 3Dmark program by yourself).

6.3.4 Memory test

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

Path: VBAT\EN8800GT\DIAG\

6.3.5 BIOS flash

Please use the following command to flash bios.

Please notice the size of character.

Path:VBAT\EN8800GT\BIOS

6.3.5.1 NVIDIA BIOS

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

6.3.5.2 ATI BIOS

Command: atiflash -p -f 0 xxx.rom

7.Appendix

NO#	Equipment Description	ASUS Part#	Supplier	Quantity	Remarks
1	LCD monitor			1	
2	PS/2 MOUSE			1	
3	PS/2 KEYBOARD			1	
4	ATX POWER SUPPLY			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	S CABLE	16-300018821		1	
12	VGA extend cable	16-300001230		1	
13	LCD extend cable	16-T10540823		1	
14	CRT monitor			1	
15	SONY TV PVM-1354Q	20-521029000		1	
16	LCD "Y" Cable	14-010230000		1	
17	Y TV cable	16-T104B0999		1	
18	P5E64 WS PRO	80- MBB830		1	
19	Power Cable	14G000602510		1	