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GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GED-277A5758

Test Procedure for a Card 277A5758G2 CRT MODULE

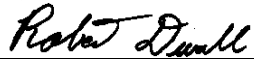
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REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	D. LAEMMLE	07/12/02
B	Added comment 6.2.8. Ensure PC board is securely mounted to monitor assembly,	C. Wade	10/6/2011
C			

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PREPARED BY D. Laemmle	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 07/12/2002	DATE	DATE	DATE 07/22/02

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Functional test procedure for 277A5758G2

1. SCOPE

1.1 This is a functional testing procedure for a video display module.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

3.1.1 277A5758 folder

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to the local documented procedures for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires broken or cracked

4.2.1.2 Terminal strips / connectors broken or cracked

4.2.1.3 Loose wires

4.2.1.4 Components visually damaged

4.2.1.5 Capacitors leaking

4.2.1.6 Solder joints damaged or cold

4.2.1.7 Circuit board burned or de-laminated

4.2.1.8 Printed wire runs burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1	H033959	PDT UNIT – VIDEO SOURCE

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6. TESTING PROCESS

6.1 Setup

- 6.1.1** With cover removed, attach power cord to AC terminals on UUT. Attach D9 to video edge connector cable to PC board on UUT. Attach D end to video source fixture.

6.2 Testing Procedure

- 6.2.1** Apply power to UUT and video source.
- 6.2.2** Turn brightness control on rear of UUT fully CW. Monitor screen on video source will show video after warm-up. If no video appears on UUT, turn sub-brite control on video card CCW until video appears. Continue to turn control until retrace lines and video scan lines appear dimly behind video.
- 6.2.3** Adjust vertical size, if necessary for a 5 ½ inch high raster. Adjust centering rings on back of yoke to position the rectangular display on the screen to a position of equal distance from the left and right sides and a little above center between top and bottom.
- 6.2.4** Turn brightness control on rear of UUT CCW until retrace lines and raster scan lines just disappear, leaving only the video showing on black background.
- 6.2.5** Adjust Focus pot for best overall sharpness of video characters on screen.
- 6.2.6** Display should be stable vertically and horizontally with no jitter or out of sync condition.
- 6.2.7** Remove power from video source and UUT. Remove video cable from video card.
- 6.2.8** Insure that the PC board on the UUT is securely fasten/installed to the assembly frame. We sent a unit out where the board was floating around loose in the monitor assembly and customer was extremely disappointed.

6.3 *****TEST COMPLETE *****

7. NOTES

- 7.1** None at this time.