

## Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor.

## General Specification

|                                 |                                                                                                                                            |                                                                                 |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Display</b>                  | 58.4 cm (23.0 inch) Flat Panel Active matrix-TFT LCD<br>Anti-Glare coating<br>Visible diagonal size: 58.4 cm<br>0.266*0.266 mm pixel pitch |                                                                                 |
| <b>Sync Input</b>               | Horizontal Freq.                                                                                                                           | Analog : 30 kHz to 83 kHz (Automatic)<br>Digital : 30 kHz to 83 kHz (Automatic) |
|                                 | Vertical Freq.                                                                                                                             | 56 Hz to 75 Hz (Automatic)                                                      |
|                                 | Input Form                                                                                                                                 | Separate TTL, Positive/Negative<br>SOG (Sync On Green)<br>Digital (HDCP)        |
| <b>Video Input</b>              | Signal Input                                                                                                                               | 15 pin D-Sub Connector<br>DVI - D connector (Digital)                           |
|                                 | Input Form                                                                                                                                 | RGB Analog (0.7 Vp-p/ 75 ohm), Digital                                          |
| <b>Resolution</b>               | Max                                                                                                                                        | Analog : VESA 1920 x 1080 @60 Hz<br>Digital : VESA 1920 x 1080 @60 Hz           |
|                                 | Recommend                                                                                                                                  | VESA 1920 x 1080 @60 Hz                                                         |
| <b>Plug&amp;Play</b>            | DDC 2B (Digital), DDC 2AB (Analog)                                                                                                         |                                                                                 |
| <b>Power Consumption</b>        | On Mode                                                                                                                                    | : 42 W(Typ.)                                                                    |
|                                 | Sleep Mode                                                                                                                                 | ≤ 1 W                                                                           |
|                                 | Off Mode                                                                                                                                   | ≤ 1 W                                                                           |
| <b>Dimensions &amp; Weight</b>  | With Stand                                                                                                                                 |                                                                                 |
|                                 | Width                                                                                                                                      | 55.85 cm ( 21.98 inch)                                                          |
|                                 | Height                                                                                                                                     | 41.75 cm ( 16.43 inch)                                                          |
|                                 | Depth                                                                                                                                      | 19.80 cm ( 7.79 inch)                                                           |
|                                 | Net                                                                                                                                        | 4.5 kg (9.92 lb)                                                                |
| <b>Tilt Range</b>               | Without Stand                                                                                                                              |                                                                                 |
|                                 | Tilt                                                                                                                                       | -5° to 15°                                                                      |
| <b>Power Input</b>              | AC 100 - 240 V~ 50 / 60 Hz 1.0 A                                                                                                           |                                                                                 |
| <b>Environmental Conditions</b> | Operating Conditions                                                                                                                       |                                                                                 |
|                                 | Temperature                                                                                                                                | 10 °C to 35 °C                                                                  |
|                                 | Humidity                                                                                                                                   | 10 % to 80 % non-Condensing                                                     |
|                                 | Storage Conditions                                                                                                                         |                                                                                 |
|                                 | Temperature                                                                                                                                | -20 °C to 60 °C                                                                 |
|                                 | Humidity                                                                                                                                   | 5 % to 90 % non-Condensing                                                      |
| <b>Stand Base</b>               | Attached(    ), Detached ( O )                                                                                                             |                                                                                 |
| <b>Power cord</b>               | Wall-outlet type                                                                                                                           |                                                                                 |

## EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in Sec. 3.2 of the test report.
- b. Turn on the power of all equipment and the EUT.
- c. Set the contrast & brightness of EUT to maximum.
- d. PC system ran the self-test program “EMC Test” by windows XP and sent “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub or DVI Input).
- e. Repeat above procedure from c to d for difference test mode.
- f. The other peripherals devices were driven and operated during the test.
- g. The test modes are as follows:

| Test Mode            |
|----------------------|
| D-Sub 640*480@60Hz   |
| D-Sub 1280*1024@75Hz |
| D-Sub 1680*1050@60Hz |
| D-Sub 1920*1080@60Hz |
| DVI 640*480@60Hz     |
| DVI 1280*1024@75Hz   |
| DVI 1680*1050@60Hz   |
| DVI 1920*1080@60Hz   |