

## Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W1642CT.

## General Specification

|                                 |                                                                                                                                            |                                                     |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Display</b>                  | 15.6 inches (39.6 cm) Flat Panel Active matrix-TFT LCD, Anti-Glare coating<br>Visible diagonal size: 39.6 cm<br>0.252*0.252 mm pixel pitch |                                                     |
| <b>Sync Input</b>               | Horizontal Freq.                                                                                                                           | 30 - 61 kHz (Automatic)                             |
|                                 | Vertical Freq.                                                                                                                             | 56 - 75 Hz (Automatic)                              |
|                                 | Input Form                                                                                                                                 | Separate TTL, Positive/Negative SOG (Sync On Green) |
| <b>Video Input</b>              | Signal Input                                                                                                                               | 15 pin D-Sub Connector                              |
|                                 | Input Form                                                                                                                                 | RGB Analog (0.7 Vp-p/ 75 ohm)                       |
| <b>Resolution</b>               | Max                                                                                                                                        | VESA 1360 x 768 @60 Hz                              |
|                                 | Recommend                                                                                                                                  | VESA 1360 x 768 @60 Hz                              |
| <b>Plug&amp;Play</b>            | DDC 2B                                                                                                                                     |                                                     |
| <b>Power Consumption</b>        | On Mode                                                                                                                                    | : 18W(Typ.)                                         |
|                                 | Sleep Mode                                                                                                                                 | ≤ 1 W                                               |
|                                 | Off Mode                                                                                                                                   | ≤ 1 W                                               |
| <b>Dimensions &amp; Weight</b>  | With Stand                                                                                                                                 |                                                     |
|                                 | Width                                                                                                                                      | 38.15 cm / 15.02 inches                             |
|                                 | Height                                                                                                                                     | 32.46 cm / 12.78 inches                             |
|                                 | Depth                                                                                                                                      | 18.37 cm / 7.23 inches                              |
|                                 | Net                                                                                                                                        | 2.45 kg (5.44 lbs)                                  |
|                                 |                                                                                                                                            | Without Stand                                       |
|                                 | Width                                                                                                                                      | 38.15 cm / 15.02 inches                             |
|                                 | Height                                                                                                                                     | 26.03 cm / 10.25 inches                             |
|                                 | Depth                                                                                                                                      | 5.67 cm / 2.23 inches                               |
| <b>Tilt Range</b>               | Tilt                                                                                                                                       | -5° ~ 20°                                           |
| <b>Power Input</b>              | AC 100-240V~ 50/60Hz 0.8A                                                                                                                  |                                                     |
| <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 or PC-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 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 1024*768@60Hz |
| D-Sub 1360*768@60Hz |