

## Equipment Description

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

## General Specification

|                        |                             |                                                                                                            |
|------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Display</b>         | <b>Screen Type</b>          | 58.4 cm (23 inch) Flat Panel Active matrix-TFT LCD<br>Anti-Glare coating<br>Visible diagonal size: 58.4 cm |
|                        | <b>Pixel Pitch</b>          | 0.265 mm x 0.265 mm (Pixel Pitch)                                                                          |
| <b>Sync Input</b>      | <b>Horizontal Frequency</b> | 30 kHz to 83 kHz (Automatic)                                                                               |
|                        | <b>Vertical Frequency</b>   |                                                                                                            |
|                        | <b>E2351T</b>               | 56Hz to 75Hz (Automatic)                                                                                   |
|                        | <b>E2351VR / E2351VQ</b>    | 56Hz to 75Hz (D-SUB, DVI-D)<br>56Hz to 61Hz (HDMI)                                                         |
|                        | <b>Input Form</b>           |                                                                                                            |
|                        | <b>E2351T</b>               | Separate Sync. Digital                                                                                     |
|                        | <b>E2351VR / E2351VQ</b>    | Separate Sync. Digital. HDMI                                                                               |
| <b>Video Input</b>     | <b>Signal Input</b>         |                                                                                                            |
|                        | <b>E2351T</b>               | 15 pin D-SUB Connector / DVI-D Connector (Digital)                                                         |
|                        | <b>E2351VR / E2351VQ</b>    | 15 pin D-SUB Connector / DVI-D Connector (Digital)<br>HDMI (TYPE - A) Connector                            |
|                        | <b>Input Form</b>           |                                                                                                            |
|                        | <b>E2351T</b>               | RGB Analog (0.7 Vp-p/ 75 ohm), Digital                                                                     |
| <b>Resolution</b>      | <b>E2351VR / E2351VQ</b>    | RGB Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI                                                               |
|                        | <b>Max</b>                  |                                                                                                            |
|                        | <b>E2351T</b>               | D-SUB(Analog) / DVI (Digital) : 1920 x 1080 @ 60 Hz                                                        |
|                        | <b>E2351VR / E2351VQ</b>    | D-SUB(Analog) : 1920 x 1080 @ 60 Hz<br>DVI(Digital) / HDMI(Digital) : 1920 x 1080 @ 60 Hz                  |
| <b>Plug &amp; Play</b> | <b>Recommend</b>            | VESA 1920 x 1080 @ 60 Hz                                                                                   |
|                        | <b>E2351T</b>               | DDC 2B(Analog, Digital )                                                                                   |
|                        | <b>E2351VR / E2351VQ</b>    | DDC 2B(Analog, Digital, HDMI)                                                                              |

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Power Consumption</b>                       | On Mode : 27 W(Typ.)<br>Sleep Mode $\leq$ 0.5 W<br>Off Mode $\leq$ 0.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |
| <b>Power Input</b>                             | 19 V  1.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| <b>AC-DC Adapter</b>                           | Type ADS-40SG-19-3 19032G, manufactured by SHENZHEN HONOR ELECTRONIC<br>or Type ADS-40FSG-19 19032GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC<br>or Type ADS-40FSG-19 19032GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC<br>or Type ADS-40FSG-19 19032GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC<br>or Type ADS-40FSG-19 19032GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC<br>or Type LCAP21A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE<br>or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE<br>or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE<br>or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE<br>or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE |                             |
| <b>Dimensions<br/>(Width x Height x Depth)</b> | <b>With Stand</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 54.9 cm x 18.6 cm x 41.3 cm |
|                                                | <b>Without Stand</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 54.9 cm x 3.3 cm x 33.5 cm  |
| <b>Weight</b>                                  | 2.9 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |
| <b>Tilt Range</b>                              | -5° to 15°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |
| <b>Environmental<br/>conditions</b>            | <b>Operating Temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10°C to 35 °C               |
|                                                | <b>Operating Humidity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20 % to 80 % non-Condensing |
|                                                | <b>Storage Temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -10°C to 60 °C              |
|                                                | <b>Storage Humidity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5 % to 90 % non-Condensing  |
| <b>Stand Base</b>                              | Attached ( <input type="checkbox"/> ), Detached (O)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |
| <b>Power cord</b>                              | Wall-outlet type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |

Product specifications shown above may be changed without prior notice due to upgrade of product functions.

## 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 (we use white letters on a black background to represent all colors), the EUT's screen displayed and filled with "H" pattern by its resolution (Via D-Sub/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:

| Adapter    | Test Mode            |
|------------|----------------------|
| Adapter #1 | 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   |
| Adapter #2 | D-Sub 1680*1050@60Hz |
| Adapter #3 | D-Sub 1680*1050@60Hz |
| Adapter #4 | D-Sub 1680*1050@60Hz |

NOTE: We tested the EUT with adapter #1 and selected the worst test mode to perform test with adapter #2/#3/#4.