

## 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 Anti-Glare coating 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>	56Hz to 75Hz (D-SUB, DVI-D) 56Hz to 61Hz (HDMI)
	<b>Input Form</b>	Separate Sync. Digital
<b>Video Input</b>	<b>Signal Input</b>	15 pin D-SUB Connector / DVI-D Connector (Digital) HDMI Connector
	<b>Input Form</b>	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
<b>Resolution</b>	<b>Max</b>	D-SUB(Analog) : 1920 x 1080 @ 60 Hz DVI / HDMI (Digital) : 1920 x 1080 @ 60 Hz
	<b>Recommend</b>	VESA 1920 x 1080 @ 60 Hz
<b>Plug &amp; Play</b>	DDC 2B(Analog,Digital,HDMI)	
<b>Power Consumption</b>	On Mode : 25 W(Typ.) Sleep Mode ≤ 0.5 W Off Mode ≤ 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 or Type ADS-40FSG-19 19032GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPI-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19032GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26A-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26A-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26A-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26A-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE OUTPUT: 19 V === 1.7 A	
<b>Dimensions (Width x Height x Depth)</b>	<b>With Stand</b>	54.4 cm x 40.6 cm x 18.1 cm
	<b>Without Stand</b>	54.4 cm x 33.2 cm x 5.5 cm
<b>Weight</b>	3.2 kg	
<b>Tilt Range</b>	-5° to 20°	
<b>Environmental conditions</b>	<b>Operating Temperature</b>	10°C to 35 °C
	<b>Operating Humidity</b>	10 % to 80 %
	<b>Storage Temperature</b>	-20°C to 60 °C
	<b>Storage Humidity</b>	5 % to 90 % non-Condensing

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. In HDMI mode, the EUT connected to PC or DVD PLAYER through HDMI port.
- f. Repeat above procedure from c to e for difference test mode.
- g. The other peripherals devices were driven and operated during the test.
- h. The test modes are as follows:

Adapter	Test Mode
Adapter #1	D-Sub 1920*1080@60Hz
	DVI 1920*1080@60Hz
	HDMI 1920*1080@60Hz
	HDMI 1080P
	HDMI 1680*1050@60Hz
	HDMI 1280*1024@75Hz
	HDMI 640*480@60Hz
Adapter #2	HDMI 1920*1080@60Hz
Adapter #3	HDMI 1920*1080@60Hz
Adapter #4	HDMI 1920*1080@60Hz

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