

Equipment Description

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

General Specification

Display	Screen Type	54.6 cm (21.5 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating. Visible diagonal size: 54.6 cm
	Pixel Pitch	0.248 mm x 0.248 mm (Pixel Pitch)
Sync Input	Horizontal Frequency	30 kHz to 83 kHz (Automatic)
	Vertical Frequency	56Hz to 75Hz (Automatic)
	Input Form	
	E2251S	Separate Sync.
	E2251T	Separate Sync. Digital
Video Input	Signal Input	
	E2251S	15 pin D-SUB Connector
	E2251T	15 pin D-SUB Connector / DVI-D Connector (Digital)
	Input Form	
	E2251S	RGB Analog (0.7 Vp-p/ 75 ohm)
	E2251T	RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max	
	E2251S	D-SUB(Analog) : 1920 x 1080 @ 60 Hz
	E2251T	D-SUB(Analog) / DVI(Digital) : 1920 x 1080 @ 60 Hz
	Recommend	VESA 1920 x 1080 @ 60 Hz
Plug & Play	E2251S	DDC 2B(Analog)
	E2251T	DDC 2B(Analog, Digital)
Power Consumption	On Mode : 21 W(Typ.) Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
Power Input	19 V $\equiv$ 1.5 A	
AC-DC Adapter	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	
Dimensions (Width x Height x Depth)	With Stand	51.8 cm x 18.6 cm x 39.6 cm
	Without Stand	51.8 cm x 3.3 cm x 31.7 cm
Weight	2.5 kg	
Tilt Range	-5° to 15°	
Environmental conditions	Operating Temperature	10°C to 35 °C
	Operating Humidity	20 % to 80 % non-Condensing
	Storage Temperature	-10°C to 60 °C
	Storage Humidity	5 % to 90 % non-Condensing
Stand Base	Attached (), Detached (O)	
Power cord	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 (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.