

Equipment Description

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

General Specification

Display	21.5 inches (54.6 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size : 54.6 cm 0.248 x 0.248 mm (Pixel pitch)	
Sync Input	Horizontal Freq. Vertical Freq. Input Form	30 - 83 KHz (Automatic) Analog, Digital: 56 - 75 Hz (Automatic) HDMI: 56 - 61 Hz (Automatic) Separate Sync. Digital
Video Input	Signal Input Input Form	15 pin D-Sub Connector DVI-D Connector (Digital) 19 pin HDMI Connector Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI
Resolution	Max Recommend	VESA 1920 x 1080 @60 Hz VESA 1920 x 1080 @60 Hz
Plug&Play	DDC 2B(Digital), DDC2AB(Analog)	
Power Consumption	On Mode Sleep Mode Off Mode	: 42 W(Typ.) ≤ 1 W ≤ 1 W
Dimensions & Weight	With Stand Width 52.98 cm / 20.85 inches Height 41.10 cm / 16.18 inches Depth 21.00 cm / 8.26 inches	Without Stand Width 52.98 cm / 20.85 inches Height 33.78 cm / 13.29 inches Depth 5.95 cm / 2.34 inches
	Weight(excl. packing) 3.9 kg (8.59 lbs)	
Range	Tilt : -5°~15°	
Power Input	AC 100-240V~ 50/60Hz 1.0A	
Environmental Conditions	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	
Stand Base	Attached (☐), Detached (☐)	
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, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub or DVI Input).
- e. In HDMI mode, the EUT connected to DVD 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:

Test Mode
D-Sub 640*480@60Hz
D-Sub 1024*768@60Hz
D-Sub 1680*1050@60Hz
D-Sub 1920*1080@60Hz
DVI 640*480@60Hz
DVI 1024*768@60Hz
DVI 1680*1050@60Hz
DVI 1920*1080@60Hz
HDMI 480P
HDMI 720P
HDMI 1080P