

Equipment Description

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

General Specification

Display	54.6 cm (21.5 inch) 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 (Analog,Digital,HDMI)	
Power Consumption	On Mode Sleep Mode Off Mode	: 23 W(Typ.) ≤ 1 W ≤ 0.5 W
Dimensions & Weight	With Stand Width 52.58 cm (20.70 inch) Height 40.83 cm (16.07 inch) Depth 19.80 cm (7.80 inch)	Without Stand Width 52.58 cm (20.70 inch) Height 33.48 cm (13.18 inch) Depth 3.99 cm (1.57 inch)
	Weight(excl. packing) 2.8 kg (6.17 lb)	
Range	Tilt : -5° - 15°	
Power Input	12 V $\equiv$ 3.0 A	
AC-DC Adapter	Type FSP036-DGAA1,manufactured by FSP Group or type LCAP07F,manufactured by Lienchange Electronics	
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