

Equipment Description

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

General Specification

Display	58.4 cm (23 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size : 58.4 cm 0.266 x 0.266 mm (Pixel pitch)	
Sync Input	Horizontal Freq. Vertical Freq. Input Form	30 kHz to 83 kHz (Automatic) 56 Hz to 75 Hz (Automatic) Separate Sync. SOG (Sync On Green), Digital
Video Input	Signal Input Input Form	15 pin D-Sub Connector DVI-D Connector (Digital) RGB Analog (0.7 Vp-p/ 75 ohm), Digital
Resolution	Max Recommend	VESA 1920 x 1080 @60 Hz VESA 1920 x 1080 @60 Hz
Plug&Play	DDC 2B(Digital),DDC2AB(Anlaog)	
Power Consumption	On Mode Sleep Mode Off Mode	: 29 W(Typ.) ≤ 0.5 W ≤ 0.5 W
Dimensions & Weight	With Stand Width 56.91 cm (22.40 inch) Height 43.26 cm (17.03 inch) (Min.) 54.26 cm (21.36 inch) (Max.) Depth 27.11 cm (10.67 inch) Weight(excl. packing)	Without Stand Width 56.91 cm (22.40 inch) Height 34.19 cm (13.46 inch) Depth 6.30 cm (2.48 inch) 5.1 kg (11.33 lb)
Range	Tilt Swivel Height	-4° to 17° 356° 110 mm / 4.33 inch
Power Input	AC 100 - 240 V~ 50 / 60 Hz 1.2 A	
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 (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, the EUT’s screen displayed and filled with “H” pattern by its resolution (Via D-Sub & DVI Input).
- e. PC system played music and sent the signal to EUT through audio port, the EUT speak out the music. The HDDs connected with EUT and uploaded and downloaded data to/from PC.
- 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 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