

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W1642ST.

General Specification

Function			
LCD Panel	Type		M156B1- L01
	Display		15.6 inches (39.62cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating 15.6 inches viewable
	Pixel pitch		0.252*0.252mm
	Max. resolution		VESA 1360*768@60Hz
	Recommend. resolution		VESA 1360*768@60Hz
	Horizontal Freq.		28 - 83 kHz (Automatic)
	Vertical Freq.		56 - 75 Hz (Automatic)
	Input Form		Separate TTL, Positive/Negative SOG (Sync On Green)
Option	Video Input	Signal Input	15 pin D-Sub Connector
		Input Form	RGB Analog (0.7 Vp-p/75 ohm)
Others	Power Input		AC 100-240V~ 50/60Hz 0.8A
	Power Consumption		On Mode:18W(Typ.) Sleep Mode≤1 W Off Mode≤1 W
	Plug & Play		DDC 2AB
	Environmental Conditions	Operating Conditions	Temperature10°C to 35 °C Humidity10 % to 80 % non-Condensing
		Storage Conditions	Temperature-20°C to 60 °C Humidity5 % to 90 % non-Condensing
	Dimensions& Weight	With Stand	Width:38.17 cm / 15.03 inches Height:32.30 cm / 12.72 inches Depth:19.84 cm / 7.81 inches
		Without Stand	Width: 38.17 cm / 15.03 inches Height: 26.03 cm / 10.25 inches Depth:5.67 cm / 2.23 inches
	Stand Base		Attached (), Detached (O)
	Power cord		Wall-outlet type or PC-outlet type

EUT Operating Conditions

- a. Setup the EUT and Peripherals as shown in the report Sec. 3.2.
- 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 set “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by it’s resolution. (Via D-Sub Input).
- e. Repeat above procedure from c to d for difference test mode (VGA 640*480@60Hz/ VGA 1024*768@60Hz/ VGA 1360*768@60Hz).
- f. The other peripherals devices were driven and operated during the test.