

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W2242SMT.

General Specification

Display	22 inches (55.868 cm) Flat Panel Active matrix-TFT LCD, Anti-Glare coating 22 inches viewable 0.282*0.282 mm pixel pitch	
Sync Input	Horizontal Freq.	28 - 83 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green)
Video Input	Signal Input	15 pin D-Sub Connector
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm)
Resolution	Max	VESA 1680 x 1050 @60 Hz
	Recommend	VESA 1680 x 1050 @60 Hz
Plug&Play	DDC 2AB	
Power Consumption	On Mode	: 42W(Typ.)
	Sleep Mode	≤ 1 W
	Off Mode	≤ 1 W
Dimensions & Weight	With Stand	
	Without Stand	
	Width	51.57 cm / 20.30 inches
	Height	41.80 cm / 16.46 inches
	Depth	20.94 cm / 8.24 inches
Net	4.65 kg (10.33 lbs)	
Tilt Range	Tilt	-5° ~ 20°
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 (O)	
Power cord	Wall-outlet type or PC-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 it’s resolution. (Via D-Sub Input). PC was playing music and transfer the audio signal to EUT through audio cable, the EUT speaker out music through earphone.
- e. Repeat above procedure from 3 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:

Test Mode
VGA 640*480@60Hz
VGA 1024*768@60Hz
VGA 1680*1050@60Hz