

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W2230SV.

General Specification

Display	21.5 inches (54.6 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 54.6 cm 0.300*0.300 mm pixel pitch	
Sync Input	Horizontal Freq.	30 - 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 1920 x 1080 @ 60 Hz
	Recommend	VESA 1920 x 1080 @60 Hz
Plug&Play	DDC 2AB	
Power	On Mode	: 25W(Typ.)
Consumption	Sleep Mode	≤ 1 W
	Off Mode	≤ 1 W
Dimensions & Weight	Width	52.12 cm / 20.52 inches
	Height	33.90 cm / 13.35 inches
	Depth	5.23 cm / 2.06 inches
	Net	2.8 kg (6.22 lbs)
Tilt Range	Tilt	10°~ 30°
Power Input	12V $\equiv$ 2.0A	
AC-DC Adapter	Type ADS-24S-12 1224G*,manufactured by HONOR Electronic or type MU24-B120200-xx,manufactured by LEADER Electronics or type LCAP07F,manufactured by Lien Chang or type ADS-24NP-12-1 12024G,manufactured by HONOR Electronic	
Environmental	Operating Conditions	
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
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 Input)
- e. Repeat above procedure from 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
D-Sub 640*480@60Hz
D-Sub 1024*768@60Hz
D-Sub 1680*1050@60Hz
D-Sub 1920*1080@60Hz