

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, LSM1850HU.

General Specification

LCD Panel	Screen Type	18.51 inches Wide (47.01 cm) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 47.01 cm
	Pixel Pitch	0.300(H) x 0.300(V) mm
Video Signal	Max. Resolution	1366 X 768 @60 Hz
	Recommended Resolution	1360 X 768 @60 Hz
	Horizontal Frequency	30 - 61 kHz
	Vertical Frequency	56 - 75 Hz
	Synchronization Type	Separate Sync, Digital
Input Connector	Composite video, D-Sub Analog, DVI-D, HDMI, PC Audio In	
Power	Rated Voltage	AC 100-240V~ 50/60Hz 0.8A
	Power Consumption	On Mode : 24 W (Typ.) Sleep Mode ≤ 2 W Off Mode ≤ 1 W
Tilt	Tilt Range	-5° ~ 15°
Dimension/Weight	Size (WxLxH)	454.5 mm x 193.2 mm x 362.8 mm
	Weight (excl. package)	3.8 kg (8.38 lbs)
Environmental Conditions	Operational Condition	Temperature: 10°C ~ 35°C , Humidity: 20% ~ 80%
	Storage Condition	Temperature: -10°C ~ 60°C , Humidity: 5% ~ 90%

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 & HDMI Input).
- e. In AV mode, DVD played movie and sent audio & video signal to the EUT through the composite of AV in ports, the EUT at the same time output video signal to the monitor through the video out 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	DVI 1366*768@60Hz
D-Sub 1024*768@60Hz	HDMI 480p
D-Sub 1366*768@60Hz	HDMI 720p
DVI 640*480@60Hz	HDMI 1080i
DVI 1024*768@60Hz	AV