

Equipment Description

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

General Specification

LCD Screen	Type	58.42 cm (23 inch) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Screen Diagonal length of the screen: 58.42 cm
	Pixel Pitch	0.2652 mm x 0.2652 mm
Resolution	Maximum Resolution	1920 x 1080 @ 60 Hz
	Recommended Resolution	1920 x 1080 @ 60 Hz
Video Signal	Horizontal Frequency	30 kHz to 68 kHz
	Vertical Frequency	57 Hz to 63 Hz
	Synchronization	Separate Sync/PCoIP
Input Connector	15-pin D-SUB (Analog), 10/100/1000Mbps RJ45 (PCoIP)	
Power	19 V --- 2.3 A	
	Power Consumption	On Mode: 40 W (Typical) Power Saving Mode ≤ 16 W Off Mode ≤ 1 W
AC/DC Adapter	Type PA-1650-68, manufactured by LITE-ON TECHNOLOGY CORPORATION. OUTPUT: 19 V --- 3.42 A	
Dimension/ Weight	Monitor Size (Width x Height x Depth)	
	With Stand	506.4 mm x 368.9 mm x 224.4 mm
	Without Stand	506.4 mm x 333.2 mm x 59.1 mm
Weight (Without Packaging)	4.2 kg	
Stand Angle Adjustment	Forwards/Backwards: -5° to 15° (Monitor)	
Environment Condition	Operating Condition	Temperature: 10°C to 35°C; Humidity: 10% to 80%
	Storing Condition	Temperature: -20°C to 60°C; Humidity: 5% to 90%

The specifications are subject to change without notice.

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 (we use white letters on a black background to represent all colors), 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. For PCoIP test mode, the EUT display through LAN port.
- g. The other peripherals devices were driven and operated during the test.
- h. The test modes are as follows:

Test Mode
D-Sub 1920*1080@60Hz
D-Sub 1680*1050@60Hz
D-Sub 1280*1024@60Hz
D-Sub 640*480@60Hz
PCoIP