

Equipment Description

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

General Specification

LCD Screen	Type	55.8 mm (22 inch) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Screen Diagonal length of the screen: 55.8 mm
	Pixel Pitch	0.282 mm x 0.282 mm
Resolution	Maximum Resolution	1680 x 1050 @ 60 Hz
	Recommended Resolution	1680 x 1050 @ 60 Hz
Video Signal	Horizontal Frequency	30 kHz to 83 kHz
	Vertical Frequency	56 Hz to 75 Hz
	Synchronization	Separate Sync/PCoIP
Input Connector	15-pin D-SUB (Analog), 10/100/1000Mbps RJ45 (PCoIP)	
Power	19 V --- 3.2 A	
	Power Consumption	On Mode: 42 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. In PCoIP mode, the PC connected with the EUT through LAN port and transmit video signal. The EUT then display "H" pattern.
- 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
D-Sub 1280*1024@60Hz
D-Sub 1680*1050@60Hz
PCoIP