

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W2452VQT.

General Specification

Display	24 inches (61.13 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating 24 inches viewable 0.270*0.270 mm pixel pitch	
Sync Input	Horizontal Freq.	Analog : 30 - 83 kHz (Automatic) Digital : 30 - 83 kHz (Automatic)
	Vertical Freq.	56 - 75 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital (HDCP)
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI
Resolution	Max	Analog : VESA 1920 x 1200 @60 Hz Digital : VESA 1920 x 1200 @60 Hz
	Recommend	VESA 1920 x 1200 @60 Hz
Plug&Play	DDC 2B	
Power Consumption	On Mode	: 80 W(Typ.)
	Sleep Mode	≤ 2 W
	Off Mode	≤ 1 W
Dimensions & Weight	With Stand	
	Width	57.36 cm / 22.58 inches
	Height	46.29 cm / 18.22 inches
	Depth	24.26 cm / 9.55 inches
	Net	6.1 kg (13.45 lbs)
		Without Stand
Tilt Range	Tilt	-5° ~20°
	Swivel	355°
Power Input	AC 100-240V~ 50/60Hz 1.2A	
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)	
Signal cable	Attached(), Detached (O)	
Power cord	Wall-outlet type or PC-outlet type	

NOTE

- Information in this document is 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 equipments 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 set “H” characters to EUT through graphic card, the EUT’s screen displayed and filled with “H” pattern by it’s resolution (Via D-Sub or DVI Input).
- e. Repeat above procedure from c to d for difference test mode.
- f. For HDMI test mode, the DVD play DVD disk and sent video to EUT through HDMI port.
- g. The other peripherals devices were driven and operated during the test.
- h. The test modes are as follows:

Test Mode	
VGA 640*480@60Hz	DVI 640*480@60Hz
VGA 1024*768@60Hz	DVI 1024*768@60Hz
VGA 1680*1050@60Hz	DVI 1680*1050@60Hz
VGA 1920*1200@60Hz	DVI 1920*1200@60Hz
HDMI	