

Equipment Description

The Equipment Under Test (EUT) is the LG Electronics U.S.A., Inc. LCD Monitor, W2254VQV.

General Specification

Display	21.9 inches (55.8 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 55.8 cm 0.282*0.282 mm pixel pitch		
Sync Input	Horizontal Freq.	30 - 83 kHz (Automatic)	
	Vertical Freq.	Analog,Digital : 56 - 75 Hz (Automatic) HDMI : 56 - 61 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) 19 pin HDMI Connector	
	Input Form	Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI	
Resolution	Max	VESA 1680 x 1050 @60 Hz	
	Recommend	Analog,Digital: 1680 x 1050 @60 Hz HDMI 1920 x 1080 @60 Hz	
Plug&Play	DDC 2B (Digital,HDMI), DDC 2AB (Analog)		
Power Consumption	On Mode	:	40 W(Typ.)
	Sleep Mode	≤	1 W
	Off Mode	≤	1 W
Dimensions &Weight	With Stand		Without Stand
	Width	51.78 cm / 20.38 inches	51.78 cm / 20.38 inches
	Height	42.41 cm / 16.69 inches	36.93 cm / 14.53 inches
	Depth	19.80 cm / 7.79 inches	6.30 cm / 2.48 inches
	Net	4.20 kg (9.26lbs)	
Tilt Range	Tilt	-5°~15°	
Power Input	AC 100-240V~ 50/60Hz 1.0A		
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		

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 HDMI mode, PC system played music and sent audio signal to EUT through the HDMI port of EUT.
- 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 1024*768@60Hz
D-Sub 1680*1050@60Hz
DVI 640*480@60Hz
DVI 1024*768@60Hz
DVI 1680*1050@60Hz
HDMI 640*480@60Hz
HDMI 1024*768@60Hz
HDMI 1680*1050@60Hz
HDMI 1920*1080@60Hz