

4.5 EUT Description

The following features describe EUT represented by this report:

Item	Specification and Description
Processor	533MHz Dual CPU
Standard System memory	512MB DDR3 on all configurations (Default) 1GB(max) Customer Installable Option
Resolution	Up to 9600 x 600 dpi
Speed	26/26PPM (Color/Mono)
Paper Handling	Paper Tray(standard) 250 Sheets 2nd Paper Tray (optional) 520 Sheets Bypass Tray 50 Sheets
Power Rating	110VAC ~ 127ACV, 8A, 50/60 Hz
Power Consumption	Power save mode : 2.5 Watts Standby mode : 20 Watts Printing simplex : 850 Watts
Printer Language	PCL5C/6, PostScript 3, PDF V1.7, SPL-C (Samsung Print Language)
Interfaces	Hi-Speed USB 2.0, Gigabit Ethernet, Direct USB, Wireless 802.11 b/g/n, WiFi Direct
OS compatibility	Windows (32/64-bit) 2000/XP/2003/2008 Server/Vista, Windows 7, Windows 8, Various Linux OS, Mac OS X 10.3 ~ 10.9
Modes of Operation	Standby, USB Printing, Wireless Printing, Network Printing
Intended Class for Emissions	Class B

4.6 Test configuration and condition

Item	Model Name	P/N	Manufacturer
SMPS #1	PSPN-Type3R-V1	JC44-00222A	SUNG HO Electronics
SMPS #2	PSPN-Type3R-V1	JC44-00222A	DONG YANG E&P

The system was configured for testing in typical fashion use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. The mode of operation utilized for testing was selected to best simulate typical EUT use.

The EUT was connected to a remote PC through the Ethernet port with Unshielded Twisted Pair Ethernet cable.

Power source for the EUT operating was supplied by CVCF made by the Pacific Corp.

- Test Voltage : AC 120 V, 60 Hz

Two different types of SMPS, Sung ho and Dong yang were applied
During testing Each SMPS was installed for testing, tested and reported.

- Configuration 1 : SMPS #1 was applied.
- Configuration 2 : SMPS #2 was applied.

4.7 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus: (According to CISPR 16-4 and UKAS Lab 34.)

4.7.1 Emission

Test type		Measurement uncertainty (C.L. 95 %, k = 2)
Conducted disturbance	Main terminal (ENV216)	2.95 dB
Radiated Disturbance (Below 1 GHz)	Horizontal	4.69 dB
	Vertical	4.83 dB
Radiated Disturbance (Above 1 GHz)	Horizontal	5.47 dB
	Vertical	5.45 dB