

### 3.5 EUT Description

The following features describe EUT represented by this report:

Item	Specification
<b>Printing speed</b>	Up to 28 ppm in A4 (30 ppm in Letter) Duplex: 14 ipm in A4 (14.5 ipm in Letter)
<b>Resolution</b>	Up to 1200 x 1200 dpi effective output
<b>Warm-up time</b>	Less than 15 seconds
<b>First print out time</b>	8.5 seconds (From Ready) Sleep mode: 23.5 seconds
<b>Power rating</b>	AC 110-127V, 6.4A, 50/60 Hz
<b>Power consumption</b>	Average : 400 W Power save mode: Less than 11 W
<b>Noise Level</b>	Standby mode: Less than 26 dBA Printing mode: Less than 50 dBA
<b>Toner cartridge life</b>	Standard Yield: Average cartridge yield 2,000 standard pages. High Yield: Average cartridge yield 5,000 standard pages. (Ships with 2,000 pages Starter/Standard Toner Cartridge)
<b>Duty cycle</b>	Monthly: 30,000 pages
<b>Weight</b>	11.9 Kg (including consumables)
<b>Package weight</b>	Paper: 2.4 Kg, Plastic: 0.3 Kg
<b>External dimensions (W x D x H)</b>	364 X 369 X 210 mm (14.3 x 14.5 x 8.2 inches)
<b>Operating environment</b>	Temperature : 10°C to 32°C (50°F to 90 °F) Humidity : 20% to 80% RH
<b>Printer Language</b>	PCL6, IBM ProPrinter, EPSON, PostScript3, SPL
<b>Fonts</b>	1 bitmap, 45 scalable, 136 PostScript fonts
<b>Memory</b>	32MB (Max. 160MB) 128MB optional memory available. Use only the Samsung-approved DIMM.
<b>Interface</b>	- USB 2.0: Hi-Speed USB 2.0 - Ethernet 10/100 Base TX wired LAN (ML-2851ND only)
<b>OS compatibility</b>	- Windows 2000/ 2003 Server/ XP(32/64bit)/ Vista - Various Linux OS - Mac 10.3 or 8.6 ~ 9.2/ 10.1 ~ 10.4
<b>Options</b>	250-sheet tray

### 3.6 Clock Frequencies

Kind of Clocks	Frequency[MHz]
Main Source Clock	12 MHz
Video Clock	12 MHz
CPU Clock	400 MHz
SDRAM	100 MHz
USB	12 MHz
Network Device	25 MHz

### 3.7 Operating mode condition

The system was configured for testing in typical fashion use. Cable were attached to each of the available I/O port. Where applicable, peripherals were attached to the I/O cables.

This EUT is supporting the USB and Network(LAN) printing.

In each test mode, finally we found worst case emission that is above configuration with the Worst case components(in the above table). So, the data of the maximum EUT operation, USB printing was reported.

- Test Voltage : AC 120 V, 60 Hz

### 3.8 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.)

Test type		Measurement uncertainty (C.L. 95 %, k = 2)
Conducted disturbance	Mains Port	± 2.8 dB
	Horizontal	± 5.1 dB
Radiated disturbance	Vertical	± 5.09 dB