HP Designjet T520/T120 Printer Certificate of Volatility

Introduction

The following is a statement regarding the volatility of customer data stored in memory devices and hard disk drives of the HP Designjet T520/T120 ePrinter.

The printer uses volatile memory to store customer data during the printing process. When the printer is turned off, this volatile memory is erased. The printer uses non-volatile memory to store device configuration information. This non-volatile information is used to initialize the volatile memory when the printer is turned on and at the beginning of a print job. The printer also contains a hard disk drive that retains data after the printer is powered off.

Volatile memory

- Main SDRAM (DDR3): 1 GB in T520 and 256 MB in T120. Used as system memory. All info is erased when printer is powered off.
- Main IC cache: embedded RAM in the Main integrated circuit used for its internal process and operation.

Non volatile memory

- NVM-Main: 16 KBytes Serial CMOS EEPROM with BIOS parameters.
- NVM-Backup: 32Kbytes. Contains a copy of the NVM-Main and is accessed in case this Main PCA is changed (Serviced).
- SPI Flash IC: 1 GB for boot loader storage
- NVM in the Printhead assembly: some KB for PHA information storage
- NVM in the supplies (x4): some KB for supplies   information storage

USB Thumb drive

 2 GBytes unit for:

- Firmware storage (non-volatile part, this information remains always inside the Thumb drive and is not accessible by user)
- Print jobs manipulation and process (used when printing plots with special needs and high computational capacity)