Hewlett-Packard Certificate of Volatility

Model: HP Laser MFP 130 Printer series	Part Number: 4ZB78A: 135w 4ZB80A: 136w 4ZB78A: 136nw 4ZB80A: 137fnw 4ZB78A: 138fnw 4ZB80A: 138pnw 4ZB78A: 135wg 4ZB80A: 137fwg	Address: Hewlett Packard Company 11311 Chinden Blvd Boise, ID 83714

Volatile Memory

Does the device contain volatile memory (Memory whose contents are lost when power is removed)?
☒ Yes ☐ No If Yes please describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
DRAM	128MB	☐ Yes ☒ No	Used for temporary storage during the processing of jobs and for applications running on the OS.	Power off printer
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

Non-Volatile Memory

Does the device contain non-volatile memory (Memory whose contents are retained when power is removed)?
☒ Yes ☐ No If Yes please describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Flash (135w,136w,136nw,135wg)	8MB	☒Yes ☐No	Device FW	Perform a 'Clear All Mem.' from tech mode (for service person to perform only).
Flash (137fnw,138fnw,138pnw, 137fwg)	16MB	☒Yes ☐No	Device FW, Fax system	Perform a 'Clear All Mem.' from tech mode (for service person to perform only).
EEPROM	8KB	☒Yes ☐ No	Printer specific data such as page count, internal engine reports.	Perform a 'Clear All Mem.' from tech mode (for service person to perform only).

Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?
☐ Yes ☒ No If Yes please describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Type (HDD, Tape, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:
Type (HDD, Tape, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

USB

Does the item accept USB input and if so, for what purpose (i.e Print Jobs, device firmware updates, scan upload)?
☐ Yes ☒ No If Yes please describe below

Can any data other than scan upload be sent to the USB device)?
☐ Yes ☒ No If Yes please describe below

RF/RFID

Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) ☐ Yes ☒ No If Yes please describe below

Purpose:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications:	

Other Transmission Capabilities

Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)? ☒ Yes ☐ No If Yes please describe below:

Frequency: 2.4GHz	Bandwidth: 1x1 802.11n 20MHz
Modulation: CCK, OFDM	Effective Radiate Power (ERP): · 72/65 Mbps OFDM – 15 (+/- 1.5) dbm – 802.11n · 54 Mbps OFDM – 15 (+/- 1.5) dbm – 802.11g · 11 Mbps CCK – 18 (+/- 1.5) dbm - 802.11b
Specifications: 802.11 b/g/n	
Frequency: 2.4GHz	

Other Capabilities

Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever? ☐ Yes ☒ No If Yes please describe below:

Purpose:
Specifications:

Author Information

Name	Title	Email	Business Unit
Song, Wen Tao	Technical Marketing Engineer	vinton.song@hp.com	Quality Home Business
Yi, Eonkyeong	EE	eonkyeong.yi@hp.com	HPPK R&D
Date Prepared: Mar-21-2019			