



## **MPE/RF EXPOSURE EVALUATION REPORT**

**FCC CFR 47 Part 1.1310**

**HWPD93 FCC MPE Rev A**

**Company:** HP Inc.

**Model Name:** 0960-4025,0960-4034 and 0960-4745

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**Company:** HP Inc

**Model Name:** 0960-4025, 0960-4034, 0960-4745

To: FCC CFR 47 Part 1.1310

Test Report Serial No.: HWPD93 FCC MPE Rev A

This report supersedes: MARS11\_FCC\_MPE Rev B

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### **This Test Report is Issued Under the Authority of:**

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## 1. MAXIMUM PERMISSIBLE EXPOSURE

### Calculations for Maximum Permissible Exposure Levels

$$\text{Power Density} = P_d \text{ (mW/cm}^2\text{)} = \text{EIRP}/(4*\pi*d^2)$$

$$\text{EIRP} = P * G$$

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

$$\text{Numeric Gain} = 10 \wedge (\text{G (dBi)}/10)$$

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1mW/cm<sup>2</sup>.

These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Total Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Power Density (mW/cm <sup>2</sup> ) @ 20cm	Power Density Limit (mW/cm <sup>2</sup> )	Min Calculated safe distance for Limit (cm)
2400.0 - 2483.5 (BLE DTS GFSK)	2.5	1.78	7.55	5.69	0.002	1	0.90
2400.0-2483.5 (BLE FHSS)	2.5	1.78	7.25	5.31	0.002	1	0.90
2400.0 - 2483.5 (WiFi)	2.5	1.78	18.47	70.31	0.025	1	3.15
5150.0-5250.0 (WiFi)	3.8	2.40	16.59	45.60	0.022	1	2.95
5250.0-5350.0 (WiFi)	3.8	2.40	16.23	41.98	0.020	1	2.83
5470.0-5725.0 (WiFi)	3.8	2.40	17.70	58.88	0.029	1	3.35
5725.0 - 5850.0 (WiFi)	3.8	2.40	17.55	56.89	0.028	1	3.30

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

### Specification - Maximum Permissible Exposure Limits

The Limit is defined in Table 1 of FCC §1.1310.



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