MPE/RF EXPOSURE TEST REPORT

FROM

Test of: HP Inc 0960-4025 and 0960-4034

To: FCC CFR 47 Part 1.1310

Test Report Serial No.: MARS11_MPE Rev B FCC All Bands

This report supersedes: MARS11_MPE Rev A FCC All Bands

Applicant:	HP Inc 1115 SE 164th Ave., Suite 210, Vancouver, Washington 98683, USA
Product Function	802.11 a/b/g/n SDIO dual band with BT/BLE
Issue Date:	20th December 2017

This Test Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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1. PRODUCT DETAILS

Details	Description
Purpose:	Evaluation of the HP Inc 0960-4025 and 0960-4034 for compliance to FCC CFR 47 Part 1.1310
Applicant:	HP Inc 1115 SE 164th Ave., Suite 210, Vancouver, Washington 98683, USA
Manufacturer:	HP Inc
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Product Family Name:	VCVRA-1712
Model(s):	Model: HP Inc.'s VCVRA-1712 Part numbers: 0960-4025 and 0960-4034
Equipment Dimensions:	37mm x 40mm
Weight:	0.3 oz
Hardware Rev:	V4
Software Rev:	P130

2. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/(4*π*d^2)
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)
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^2) @ 20cm	Power Density Limit (mW/cm^2)	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
5725.0 - 5850.0 WiFi	3.8	2.40	17.48	55.98	0.027	1	3.27
5150.0 - 5250.0 WiFi	3.8	2.40	15.55	35.89	0.017	1	2.62
5470.0 - 5725.0 WiFi	3.8	2.40	15.90	38.90	0.019	1	2.73
5250.0 - 5350.0 WiFi	3.8	2.40	16.23	41.98	0.020	1	2.83

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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