FCC MPE REPORT
Certification

Applicant Name:
Hewlett Packard Enterprise Company

Address:
3333 Scott Blvd
Santa Clara, CA 95054, USA

Date of Issue:
October 22, 2019
Test Site/Location:
EMCE Engineering
1726 Ringwood Avenue San Jose, California USA

Report No.: EMCE-R-1910-004

FCC ID:	**Q9DARCN9012**
IC:	**4675A-ARCN9012**
APPLICANT:	**Hewlett Packard Enterprise Company**

Model: ARCN9012

EUT Type: 9012 Gateway

The measurements shown in this report were made in accordance with the procedures specified in §2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

EMCE Engineering, Inc. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)

_____
Steve In
Test Engineer
Certification Division

_____
Sunwoo Kim
Technical Manager
Certification Division

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Report History

TEST REPORT NO.	DATE	DESCRIPTION
EMCE-R-1910-004	October 22, 2019	First Issue

RF Exposure Statement

1. LIMITS

According to §1.1310 and §2.1091 RF exposure is calculated.

Limits for General Population/Uncontrolled Exposures				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3 – 1.34	614	1.63	*(100)	30
1.34 – 30	824/f	2.19/f	*(180/f²)	30
30 – 300	27.5	0.073	0.2	30
300 – 1500			f/1500	30
1500 – 100.000			1.0	30

F = frequency in MHz
* = Plane-wave equivalent power density

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

S = PG/4πR²

S = Power density
P = power input to antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

3. RESULTS

3-1. Bluetooth LE

Average Conducted Output Power (dBm)	8.72	dBm
Average Conducted Output Power (mW)	7.45	mW
Prediction distance	20.000	cm
Prediction frequency	2402 ~ 2480	MHz
Antenna Gain(typical)	-4.5	dBi
Antenna Gain(numeric)	0.36	-
Power density at prediction frequency(S)	0.000526	mW/cm^2
MPE limit for uncontrolled exposure at prediction frequency	1.000	mW/cm^2