



中国认可
国际互认
检测
TESTING
CNAS L8469

APPLICATION FOR CERTIFICATION

On Behalf of

HEWLETT PACKARD ENTERPRISE COMPANY
Server

Model No. : HSTNS-5231

Brand : HEWLETT PACKARD ENTERPRISE

IC : 24448-EL8000530S

Prepared for

HEWLETT PACKARD ENTERPRISE COMPANY

11445 Compaq Center W Dr. Houston TX 77070 United States Of America
(Excluding The States Of Alaska)

Prepared by

Audix Technology (Wujiang) Co., Ltd. EMC Dept.

No. 1289 Jiangxing East Road, the Part of Wujiang Economic Development Zone
Jiangsu China 215200

Tel : +86-512-63403993

Fax :+86-512-63403339

Report No. : ACWE-F1906009

Date of Test : May 18~27, 2019

Date of Report : Jun.13, 2019

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TEST REPORT CERTIFICATION

Applicant : HEWLETT PACKARD ENTERPRISE COMPANY
 Manufacturer : HEWLETT PACKARD ENTERPRISE COMPANY
 Factory : Refer to section 3.1
 EUT Description : Server
 IC : 24448-EL8000530S
 (A) Model No. : HSTNS-5231
 (B) Brand : HEWLETT PACKARD ENTERPRISE
 (C) Power Supply : AC 120V/60Hz
 (D) Test Voltage : AC 120V/60Hz

The measurement results are contained in this test report and Audix Technology (Wujiang) Co., Ltd. EMC Dept. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this test report shows that the EUT to be technically compliant with the FCC limits.

This test report applies to above tested sample only. This test report shall not be reproduced in part without written approval of Audix Technology (Wujiang) Co., Ltd. EMC Dept.

Date of Test: May 18~27, 2019

Date of Report: Jun.13, 2019

Prepared by :

Emma Hu

(Emma Hu/Assistant Administrator)

Approved & Authorized Signer :

Ken Lu

(Ken Lu/Assistant General Manager)



1. DESCRIPTION OF VERSION

Edition No.	Date of Rev.	Summary	Report No.
0	Jun.13, 2019	Original Report.	ACWE-F1906009

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description : Server

Model No. : HSTNS-5231

IC : 24448-EL8000530S

Brand : HEWLETT PACKARD ENTERPRISE

Applicant : HEWLETT PACKARD ENTERPRISE COMPANY
11445 Compaq Center W Dr. Houston TX 77070 United States Of America (Excluding The States Of Alaska)

Manufacturer : HEWLETT PACKARD ENTERPRISE COMPANY
11445 Compaq Center W Dr. Houston TX 77070 United States Of America (Excluding The States Of Alaska)

Factory#1 : INVENTEC (PUDONG) TECHNOLOGY CORPORATION
NO.789, PUXING ROAD, CAOHEJING EXPORT PROCESSING ZONE, MINHANG DISTRICT, SHANGHAI, CHINA

Factory#2 : IEC TECHNOLOGIES, S. DE R.L. DE C.V.
DEL NORTE INDUSTRIAL CENTER #1,BOULEVARD INDEPENDENCIA #10150,COL. MUNICIPIO LIBRE, C.P. 32450 GIUDAD JUAREZ, CHIHUAHUA, MEXICO

Factory#3 : FOXCONN CZ S R O
KARLOV 245 284 01 KUTNA HORA CZECH REPUBLIC

Factory#4 : HEWLETT PACKARD ENTERPRISE SINGAPORE PTE LTD
452 ALEXANDRA RD SINGAPORE 119961 SINGAPORE

Factory#5 : ECMMS S A DE C V
BLVD OSCAR FLORES SANCHEZ 8951 COL PUENTE ALTO 32690 JUAREZ CHIH MEXICO

Factory#6 : HEWLETT PACKARD ENTERPRISE COMPANY
100 NORTH CASHMAN DRIVE,CHIPPEWA FALLS, WI 54729, USA

Factory#7 : FLEXTRONICS AMERICA, LLC
12455 RESEARCH BOULEVARD AUSTIN TX 78759 UNITED STATES OF AMERICA

Factory#8 : FLEXTRONICS INTERNATIONAL TECNOLOGIA LTDA.
AV LIBERDADE N6315.BAIRRO IPORANGA SP SOROCABA.18087-170 BRAZIL

Factory#9 : NEC PLATFORMS LTD
1088-3 OTSU-MACHI, KOFU-SHI YAMANASHI, 400-0055 JAPAN

2.2. Antenna Information

Frequency (MHz)	Gain(dBi)
2400-2500	2.38
5150-5250	3.25
5250-5350	3.25
5470-5725	3.78
5725-5850	3.94

2.3. EUT Specification Assessed in Current Report

Mode	Fundamental Range (MHz)	Channel Number
802.11b	2412-2462	11
802.11g		11
802.11n-HT20		

Mode	UNII Band	Fundamental Range (MHz)	Channel Number
802.11a	I	5180-5240	4
	II-2A	5260-5320	4
	II-2C	5500-5700	11
	III	5745-5825	5
802.11n-HT20	I	5180-5240	4
	II-2A	5260-5320	4
	II-2C	5500-5700	11
	III	5745-5825	5
802.11n-HT40	I	5190-5230	2
	II-2A	5270-5310	2
	II-2C	5510-5670	5
	III	5755-5795	2

2.4. Description of Test Facility

Name of Firm : **Audix Technology (Wujiang) Co., Ltd. EMC Dept.**

Site Location : No. 1289 Jiangxing East Road, the Eastern Part of Wujiang Economic Development Zone
Jiangsu China 215200

Test Facilities : **RF Fully Chamber**

NVLAP Lab Code : 200786-0
Valid until on Sep.30, 2019
(NVLAP is a signatory member of ILAC MRA)
Remark: This report shall not be imply endorsement, certification or approval by NVLAP, NIST, or any agency of the U.S. Federal Government.

2.5. Measurement Uncertainty

Test Item	Uncertainty
Maximum Peak Output Power	± 0.12dB

Remark: Uncertainty = $ku_c(y)$

3. SUMMARY OF STADARDS AND RESULTS

3.1. Specification Limits

According to RSS-102 Issue5, RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz⁶ and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

3.2. Calculated Result

Band	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (W)	Limit (W)
2.4GHz	2.38	15.17	17.55	0.05688	2.7030
5GHz	3.78	13.90	17.81	0.06039	4.7437

Duty cycle factor have been added to the power.