FCC TEST REPORT

FCC ID: QOB-WFD4203

Product	:	Wi-Fi Plug 2-outlet grounded independent control
Model Name	:	51375/WFD4203E
Brand	:	enbrighten
Report No.	:	PTC22040607201E-FC02

Prepared for

Jasco Products Company LLC

10 e memorial road Building B Attn M Simpkins, oklahoma city, Oklahoma 73114 United States

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.

TEST RESULT CERTIFICATION

Applicant's name	:	Jasco Products Company LLC
Address	:	10 e memorial road Building B Attn M Simpkins, oklahoma city, Oklahoma 73114 United States
Manufacture's name	:	Quang Dong Vu Hao Electronics Co.,Ltd
Address	:	TOAN MY VILLAGE, VOI TOWN,LANG GIANG DISTRICT, BAC,GIANG PROVINCE,VIETNAM
Product name	:	Wi-Fi Plug 2-outlet grounded independent control
Model name	:	51375/WFD4203E
Test procedure	:	KDB447498 D01 v06; FCC Part 2.1091
Test Date	:	Apr. 15, 2022 to May. 21, 2022
Date of Issue	:	May. 21, 2022
Test Result	:	PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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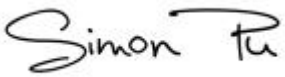
Test Engineer:



Simon Pu / Engineer

Technical Manager:

Ronnie Liu / Manager

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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Wi-Fi Plug 2-outlet grounded independent control
Model Name	:	51375/WFD4203E
Specification	:	802.11b/g/n HT20
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20)
Number of Channel	:	11 channels for 802.11b/g/ n(HT20)
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation	:	PCB antenna
Antenna Gain	:	1 dBi
Power supply	:	Input: AC 125V 60Hz Output: AC 125V 15A
Hardware Version	:	N/A
Software Version	:	N/A

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune-up Output Power (dBm)	Tune-up Output Power (mw)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2437	1.26	23.09	23.50	223.87	0.560699	1	Pass

********THE END REPORT********