FCC TEST REPORT
FCC ID:QOBWFD4204

Product	:	Outdoor Wi-Fi Smart Plug Yard Stake
Model Name	:	WFD4204
Additional model	:	74517,2504413
Brand	:	myTouchSmart
Report No.	:	PTC23050300102E-FC02

Prepared for

Jasco Products Company LLC

10 e memorial road Office oklahoma city, OK 73114

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 Office oklahoma city, OK 73114
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	:	Outdoor Wi-Fi Smart Plug Yard Stake
Model name	:	WFD4204,74517,2504413
Test procedure	:	FCC CFR47 Part 1.1307(b)(1)
Test Date	:	May. 04, 2023 to May. 12, 2023
Date of Issue	:	May. 15, 2023
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.

This report shall not be reproduced except in full, without the written approval of PTC, this document may be altered or revised by PTC, personal only, and shall be noted in the revision of the document.
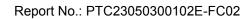
Test Engineer:

Simon Pu

Simon Pu / Engineer

Technical Manager:

Ronnie Liu

Ronnie Liu / Manager

Contents

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Outdoor Wi-Fi Smart Plug Yard Stake
Model Name	:	WFD4204
Additional model	:	74517,2504413
Model difference	:	The model names are different, and the test model is WFD4204
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	:	-0.51 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 : KDB 447498 D01 General RF Exposure Guidance v06

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

$$E \ (V/m) \ = \ \frac{\sqrt{30 \times P \times G}}{d}$$

$$\text{Power Density:} \ Pd \ (W/m^2) \ = \ \frac{E^2}{377}$$

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

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

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

Mode	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2462	0.89	16.53	16.53±1	56.623929	0.010017	1	Pass

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