Yuyao Yuchang Electrical Appliance Co. ,Ltd

MPE ASSESSMENT REPORT

Report Type:
FCC MPE assessment report

Model:
PJ1060, PJ1063, MWCP2

REPORT NUMBER:
210801369SHA-004

ISSUE DATE:
August 23, 2021

DOCUMENT CONTROL NUMBER:
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TEST REPORT

Report no.: 210801369SHA-004

Applicant	:	Yuyao Yuchang Electrical Appliance Co., Ltd NO.18 North Tongji Road,Simen Town,Yuyao,Zhejiang,China.315470
Manufacturer	:	Yuyao Yuchang Electrical Appliance Co., Ltd NO.18 North Tongji Road,Simen Town,Yuyao,Zhejiang,China.315470
FCC ID	:	2A2U8-PJ1063

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:
FCC PART 1 SECTION 1.1310

PREPARED BY:	**REVIEWED BY:**
Project Engineer Sky Yang	Reviewer Wakeyou Wang

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TEST REPORT

Revision History

Report No.	Version	Description	Issued Date
210801369SHA-004	Rev. 01	Initial issue of report	August 23, 2021

Measurement result summary

TEST ITEM	FCC REFERANCE	TEST RESULT	NOTE
RF Exposure	1.1310	Pass	-

Notes: 1: NA =Not Applicable
2: Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.
3: Additions, Deviations and Exclusions from Standards: None.

TEST REPORT

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Wireless Charging Pad
Type/Model:	PJ1060, PJ1063, MWCP2
Description of EUT:	The product covered by this report is a wireless charging pad. All models are same except model PJ1060 have a different appearance. After evaluation, we choose PJ1063 for all tests.
Rating:	Input: 5V-3A/9V-2A/12V-1.5A Wireless output: Max 9W*2
Category of EUT:	Class B
EUT type:	☒ Table top ☐ Floor standing
Software Version:	/
Hardware Version:	/
Sample number:	0210812-19-004
Sample received date:	August 12, 2021
Date of test:	August 13, 2021~ August 20, 2021

1.2 Technical Specification

Frequency Range:	110kHz – 205kHz

1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN1175
	IC Registration Lab CAB identifier.: CN0051
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

FCC PART 1 SECTION 1.1310
KDB 680106 D01 RF Exposure Wireless Charging App v03

2.2 Mode of operation during the test

Within this test report, EUT was tested under all modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used. The worst data was listed in the report.
There are three modes when using the product.
Mode 1: Using wireless charging pad 1 only;
Mode 2: Using wireless charging pad 2 only;
Mode 3: Using two wireless charging pad simultaneously;
We perform tests under three modes, and we list the worst result in the report.

2.3 Test peripherals list

Item No.	Name	Band and Model	Description
1	Wireless load	KjB/ZS3012	100%/50%/0% power level
2	Wireless load	EESON	100%/50%/0% power level
3	Power Adapter	A138A-120150U-US3	Input:100-240VAC/50-60Hz Output: 5V-3A/9V-2A/12V-1.5A

2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	24	53	101

2.5 Instrument list

Used	Equipment	Manufacturer	Type	Internal no.	Due date
☑	Exposure Level Tester	Narda	ELT-400	EC 2928	2022-08-14
☑	Field sensor & Field meter	AR	FL17000	EC 5818-1	2022-05-20

TEST REPORT

3 RF Exposure Assessment

Test result: **Pass**

3.1 Assessment Limit

Reference: 47 CFR §1.1310, KDB 680106

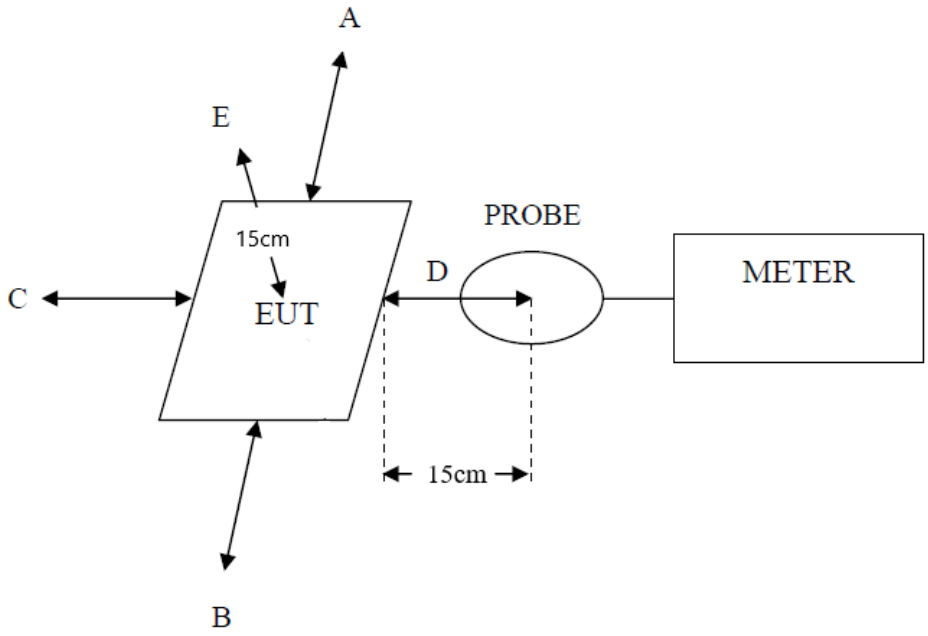
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	30
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f^2	30
30 – 300	27.5	0.073	0.2	30
300 – 1 500	-	-	f/1500	30
1 500 – 100 000	-	-	1.0	30

Limits for Occupational/Controlled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	6
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f^2	6
30 – 300	61.4	0.163	1.0	6
300 – 1 500	-	-	f/300	6
1 500 – 100 000	-	-	5	6

3.2 Assessment Configuration



TEST REPORT

3.3 Assessment Results

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.0045	1.63 *0.5	Pass
B: Left	15	0.0037	1.63 *0.5	Pass
C: Front	15	0.0059	1.63 *0.5	Pass
D: Back	15	0.0043	1.63 *0.5	Pass
E: Top	15	0.0039	1.63 *0.5	Pass

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	0.64	614 *0.5	Pass
B: Left	15	0.58	614 *0.5	Pass
C: Front	15	0.49	614 *0.5	Pass
D: Back	15	0.68	614 *0.5	Pass
E: Top	15	0.81	614 *0.5	Pass

********** END **********