



# FCC TEST REPORT

## FCC ID: 2A5KB-OEUP021

### Maximum Permissible Exposure (MPE)

|  |   |                                     |
|--|---|-------------------------------------|
| Product Name   | : | Pop up socket with wireless charger |
| Model Name   | : | OEUP021, OEUP021C, OEUP014W         |
| Brand Name   | : | N/A                                 |
| Report No.   | : | PTC22021500401E-FC01                |
| Sample ID  | : | PTC22021500401E-1#                  |
| <b>Prepared for</b>  |   |                                     |
| Hangzhou Junyue Technology Co.,Ltd   |   |                                     |
| 3 Floor, Unit 4, No.2630 Yuhang Tang road, Cangqian Street, YuHang District, Hangzhou<br>China |   |                                     |
| <b>Prepared by</b>   |   |                                     |
| Precise Testing & Certification Co., Ltd   |   |                                     |
| Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China                  |   |                                     |



Report No.:PTC21061503304E-FC02

## 1TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Junyue Technology Co.,ltd  
Address : 3 Floor, Unit 4, No.2630 Yuhang Tang road, Cangqian Street, YuHang District, Hangzhou China  
Manufacture's name : Hangzhou Junyue Technology Co.,ltd  
Address : 3 Floor, Unit 4, No.2630 Yuhang Tang road, Cangqian Street, YuHang District, Hangzhou China  
Product name : Pop up socket with wireless charger  
Model name : OEUP021, OEUP021C, OEUP014W  
Standards : FCC CFR47 Part 15C  
Test procedure : ANSI C63.10:2013  
Test Date : Feb.04-Mar.07 2022  
Date of Issue : Mar.08 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.

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:

A handwritten signature in black ink that reads "Leo Yang" with a long horizontal stroke extending to the right.

Leo Yang / Engineer

Technical Manager:

A handwritten signature in black ink that appears to read "Chris Du" in a stylized, cursive font.

Chris Du /Manager



## Contents

|   | <b>Page</b> |
|---|-------------|
| <b>1 TEST RESULT CERTIFICATION.....</b> | <b>2</b>    |
| <b>2 TEST SUMMARY.....</b>              | <b>4</b>    |
| 2.1 INSTRUMENT LIST.....                | 5           |
| <b>3 TEST FACILITY.....</b>             | <b>7</b>    |
| <b>4 GENERAL INFORMATION.....</b>       | <b>8</b>    |
| 4.1 GENERAL DESCRIPTION OF E.U.T.....   | 8           |
| <b>5 RF EXPOSURE EVALUATION.....</b>    | <b>9</b>    |
| 5.1 LIMITS.....                         | 9           |
| 5.2 TEST CONFIGURATION.....             | 9           |
| 5.3 RF EXPOSURE TEST RESULT.....        | 10          |



## 2 Test Summary

| Test        | Test Requirement              | Test Method        | Limit / Severity | Result |
|-------------|-------------------------------|--------------------|------------------|--------|
| RF Exposure | FCC CRF 47 PART 1,<br>§1.1310 | KDB 680106 v03 r01 | 1.1310           | PASS   |

Remark:

N/A: Not Applicable

RF: In this whole report RF means Radio Frequency.

A.M. Amplitude Modulation.

P.M. Pulse Modulation.



## 2.1 Instrument list

| Name of Equipment     | Manufacturer | Model   | Characteristics | Calibration Due | interval time |
|-----------------------|--------------|---------|-----------------|-----------------|---------------|
| Exposure Level Tester | Narda        | ELT-400 | Aug. 21, 2021   | Aug. 20, 2022   | 1 year        |
| Field strength probe  | Rrankonia    | EP-601  | Aug. 21, 2021   | Aug. 20, 2022   | 1 year        |
| Field meter           | AR           | FM5004  | Aug. 21, 2021   | Aug. 20, 2022   | 1 year        |



Report No.:PTC21061503304E-FC02

## 2.2 Support Units

| Equipment  | Model No. | Series No. |
|------------|-----------|------------|
| Dummy load | --        | --         |



Report No.:PTC21061503304E-FC02

### **3 TEST FACILITY**

Precise Testing & Certification Co., Ltd

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

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A-1

Designation Number: CN1219



## 4 General Information

### 4.1 General Description of E.U.T.

|                     |   |                                     |
|---------------------|---|-------------------------------------|
| Product Name        | : | Pop up socket with wireless charger |
| Model Name          | : | OEUP021, OEUP021C, OEUP014W         |
| Operating frequency | : | 110-205KHz                          |
| Antenna Type        | : | Coil Antenna                        |
| Power supply        | : | AC 120V 60Hz                        |
| Wireless charger    | : | Rating output power:15W             |
| Hardware Version    | : | V01                                 |
| Software Version    | : | V01                                 |

**Note:** EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.





## 5 RF Exposure Evaluation

### 5.1 Limits

Limits for General Population/Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 0.3-1.34              | 614                               | 1.63                              | (100)*                                  | 30  |
| 1.34-30               | 824/f                             | 2.19/f                            | (180/f <sup>2</sup> )*                  | 30  |
| 30-300                | 27.5                              | 0.073                             | 0.2                                     | 30  |
| 300-1500              | --                                | --                                | f/150                                   | 30  |
| 1500-100,000          | --                                | --                                | 1.0                                     | 30  |

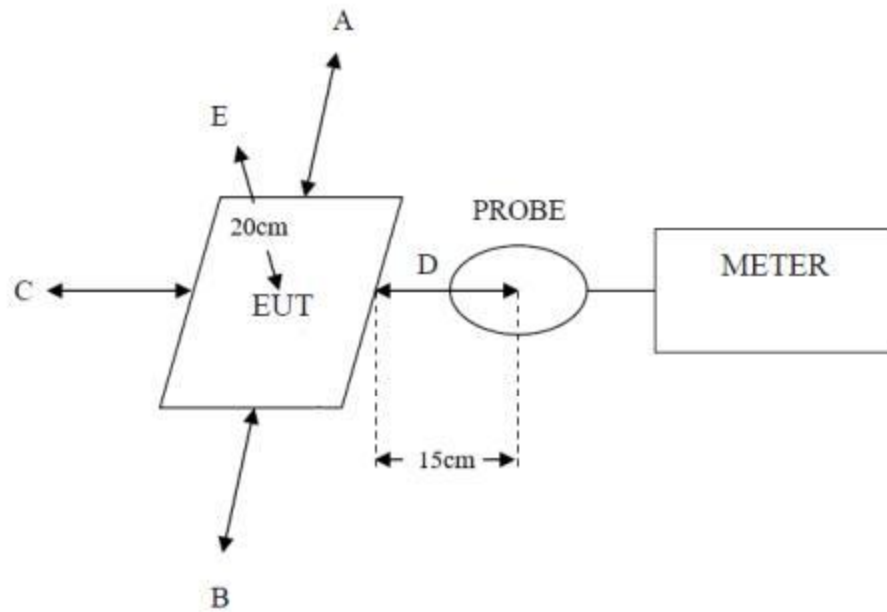
f = frequency in MHz

\*Plane-wave equivalent power density

KDB680106 D0 (3) (3) :

- A. The RF exposure test was performed in anechoic chamber.
- B. E and H field measurements should be made with the center of the probe at distance of 15cm surrounding the EUT and 20cm above the top surface of the primary/client pair.
- C. The highest emission level was recorder and compared with limit.
- D. The EUT was measured according to the dictates of KDB 680106 v03r01.

### 5.2 Test Configuration



### 5.3 RF Exposure test result

Temperature: 24°C

Relative Humidity: 53%

EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.

Test result of Magnetic Field Strength:

| Test Position | Test distance (cm) | Test result (A/m) | Limit (A/m) | Result |
|---------------|--------------------|-------------------|-------------|--------|
| A: Right      | 15                 | 0.0473            | 1.63        | Passed |
| B: Left       | 15                 | 0.0476            | 1.63        |        |
| C: Front      | 15                 | 0.0531            | 1.63        |        |
| D: Back       | 15                 | 0.0687            | 1.63        |        |
| E: Top        | 20                 | 0.0907            | 1.63        |        |



## Test result of Electric Field Strength:

| Test Position | Test distance<br>(cm) | Test result<br>(V/m) | Limit<br>(V/m) | Result |
|---------------|-----------------------|----------------------|----------------|--------|
| A: Right      | 15                    | 2.33                 | 614            | Passed |
| B: Left       | 15                    | 2.12                 | 614            |        |
| C: Front      | 15                    | 2.35                 | 614            |        |
| D: Back       | 15                    | 2.61                 | 614            |        |
| E: Top        | 20                    | 2.81                 | 614            |        |

## 5.4 Result appraise

(1) Power transfer frequency is less than 1 MHz

--Yes. it's 110-205KHz.

(2) Output power from each primary coil is less than or equal to 15 watts.

--Yes. It is max power 15W.

(3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.

--it is only one source primary coils.

(4) Client device is placed directly in contact with the transmitter.

--Yes. Client device is placed directly.

(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

--Yes. it is not mobile production.

(6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those



Report No.:PTC21061503304E-FC02

coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.

--Yes, it is meet the requirement.



Report No.:PTC21061503304E-FC02

## 6 Test Photo



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