



# FCC TEST REPORT

## FCC ID:2BBU5-ZG-WX-01

**Report Number**..... : ZKT-260923L1463E-2

**Date of Test**..... : Sept. 3, 2026-Sept. 18, 2026

**Date of issue**..... : Sept. 18, 2026

**Test Result** ..... : PASS

**Testing Laboratory**..... : Shenzhen ZKT Technology Co., Ltd.

**Address** ..... : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

**Applicant's name** ..... : Guangdong Zhangong Electric Technology Co., Ltd

**Address** ..... : 701, Building 29, zhifuyuan Industrial Zone, Xingtian town, Shunde District, Foshan City, Guangdong Province, China

**Manufacturer's name** ..... : Guangdong Zhangong Electric Technology Co., Ltd

**Address** ..... : 701, Building 29, zhifuyuan Industrial Zone, Xingtian town, Shunde District, Foshan City, Guangdong Province, China

### Test specification:

**Standard**..... : KDB 680106 D01 Wireless Power Transfer v04

**Test procedure**..... : /

**Non-standard test method** ..... : N/A

**Test Report Form No**..... : TRF-EL-107\_V0

**Test Report Form(s) Originator**..... : ZKT Testing

**Master TRF** ..... : Dated: 2020-01-06

This device described above has been tested by ZKT, 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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**Product name**..... : Embedded Wireless Charger

**Trademark** ..... : /

**Model/Type reference**..... : ZG-WX-01

**Ratings**..... : Input: DC 5 V/1 A, DC 9 V/1.12A, DC 12V/1.67A

Wireless output: 5 W/7.5 W/10 W/15 W

Output 1: DC 5 V/1 A 5W MAX

Output 2: DC 5 V/1 A 5W MAX



**Testing procedure and testing location:**

**Testing Laboratory.....: Shenzhen ZKT Technology Co., Ltd.**

**Address.....: 1/F, No. 101, Building B, No. 6, Tangwei Community  
Industrial Avenue, Fuhai Street, Bao'an District,  
Shenzhen, China**

**Tested by (name + signature).....: Jim Liu**

*Jim Liu*

**Reviewer (name + signature).....: Jackson Fang**

*Jackson Fang*

**Approved (name + signature).....: Lake Xie**





|                           |                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:             | Embedded Wireless Charger                                                                                                                           |
| Model No.:                | ZG-WX-01                                                                                                                                            |
| Serial No.:               | /                                                                                                                                                   |
| Test Auxiliary:           | AC/DC Adapter, Mobile phone                                                                                                                         |
| Test Auxiliary Model No.: | MDY-08-EH, iPhone15                                                                                                                                 |
| Transmitting mode         | Keep the EUT in continuously wireless charging mode                                                                                                 |
| Power supply:             | Input: DC 5 V/1 A, DC 9 V/1.12A, DC 12V/1.67A<br>Wireless output: 5 W/7.5 W/10 W/15 W<br>Output 1: DC 5 V/1 A 5W MAX<br>Output 2: DC 5 V/1 A 5W MAX |
| Test Description:         | Phone Battery > 98%, =50% and < 1% are tested, and the worst is < 1%.                                                                               |

| Test Modes:                                                                         |            | Description:                                              |        |
|-------------------------------------------------------------------------------------|------------|-----------------------------------------------------------|--------|
| ANT 1                                                                               | Phone Coil | Mode 1: 98% Mobile phone charging port (115-205 kHz)-5W   |        |
|                                                                                     |            | Mode 2: 50% Mobile phone charging port (115-205 kHz)-5W   |        |
|                                                                                     |            | Mode 3: 1% Mobile phone charging port (115-205 kHz)-5W    |        |
|                                                                                     |            | Mode 4: 98% Mobile phone charging port (115-205 kHz)-7.5W |        |
|                                                                                     |            | Mode 5: 50% Mobile phone charging port (115-205 kHz)-7.5W |        |
|                                                                                     |            | Mode 6: 1% Mobile phone charging port (115-205 kHz)-7.5W  |        |
|                                                                                     |            | Mode 7: 98% Mobile phone charging port (115-205 kHz)-10W  |        |
|                                                                                     |            | Mode 8: 50% Mobile phone charging port (115-205 kHz)-10W  |        |
|                                                                                     |            | Mode 9: 1% Mobile phone charging port (115-205 kHz)-10W   |        |
|                                                                                     |            | Mode 10: 98% Mobile phone charging port (115-205 kHz)-15W |        |
|                                                                                     |            | Mode 11: 50% Mobile phone charging port (115-205 kHz)-15W |        |
|                                                                                     |            | Mode 12: 1% Mobile phone charging port (115-205 kHz)-15W  | Record |
| Note: All modes have been tested, and the report only reflects the worst case data. |            |                                                           |        |



## RF Exposure Evaluation

### 1 Measuring Standard

1.1 According to §1.1307(b)(1), 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 level in excess of the Commission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.

#### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| No. | Item    | Uncertainty         |
|-----|---------|---------------------|
| 1   | H-filed | $\pm 0.93\text{dB}$ |
| 2   | E-filed | $\pm 0.51\text{dB}$ |

### 2 Requirements

According to the item 5 of KDB 680106 D01 v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

| Requirements of section 3 of KDB 680106 D01                                                                                                                                         | Yes/ No | Description                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------|
| Mobile Device and Portable Device Configurations                                                                                                                                    | Yes     | Mobile Device                                                          |
| Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz                                                                                                 | Yes     | The device operate in the frequency range 115-205 kHz.                 |
| RF Exposure compliance may be ensured only for a minimum conditions at smaller distances can still be considered unlikely.separation distance that is greater than 20 cm, while use | Yes     | The EUT H-field and E-field strengths at 20 cm surrounding the device. |

### Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

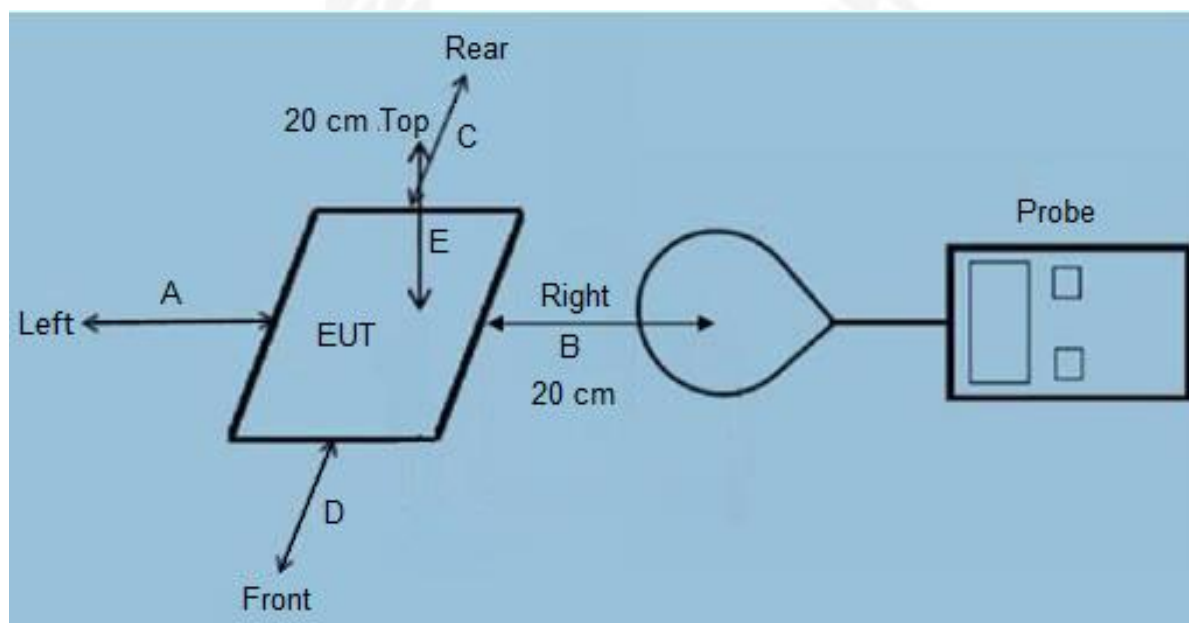
Limits for Maximum Permissible Exposure (MPE):



| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3-3.0                                                        | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0-30                                                         | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30-300                                                         | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1500                                                       | /                             | /                             | f/300                               | 6                        |
| 1500-100,000                                                   | /                             | /                             | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 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/1500                              | 30                       |
| 1500-100,000                                                   | /                             | /                             | 1.0                                 | 30                       |

F=frequency in MHz  
\*=Plane-wave equivalent power density  
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

### 3 Test Setup



### 4 Test Procedure

- 1) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- 2) The measurement probe was placed at test distance (20 cm and above from all sides and Top) which is between the edge of the charger and the geometric centre of probe.
- 3) The turn table was rotated 360 degree to search of highest strength.
- 4) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- 5) The EUT were measured according to the dictates of KDB 680106 v04.



## 5 Test Instruments list

| Test Equipment                             | Manufacturer | Model No.                    | SN.        | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
|--------------------------------------------|--------------|------------------------------|------------|------------------------|----------------------------|
| Exposure Level Tester                      | Narda        | ELT-400                      | 180ZX10220 | Sep. 25, 2025          | Sep. 24, 2026              |
| Magnetic field probe<br>100cm <sup>2</sup> | Narda        | ELT probe 100cm <sup>2</sup> | M0675      | Sep. 25, 2025          | Sep. 24, 2026              |

## 6 Test Result

We have evaluated mode 1 to mode 12 and the worst mode 12 is showed in this report.

### H-Filed Strength at 20 cm from the edges surrounding the EUT (A/m)

| Charging coil | Frequency Range (MHz) | Test Position A (uT) | Test Position A (A/m) | Test Position B (uT) | Test Position B (A/m) | Test Position C (uT) | Test Position C (A/m) | Test Position D (uT) | Test Position D (A/m) | Test Position E (uT) | Test Position E (A/m) | 50% Limits (A/m) | Limits (A/m) | test result |
|---------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|------------------|--------------|-------------|
| Phone         | 0.115-0.205           | 0.39                 | 0.31                  | 0.45                 | 0.36                  | 0.56                 | 0.45                  | 0.46                 | 0.37                  | 0.46                 | 0.37                  | 0.815            | 1.63         | PASS        |

Note: Calculation: A/m=uT/1.25



## 7 Test Set-up Photo

