

# **FCC TEST REPORT**

## **FCC ID: 2BKMD-HT-558**

On Behalf of

Shenzhen Haitao Technology co.,Ltd

Wireless Charger

Model No.: HT-558

Prepared for : Shenzhen Haitao Technology co.,Ltd  
Address : 2F Building 2, West Industrial Park, Hezhou  
District, Hangcheng Street, Bao'an District, Shenzhen, China

Prepared By : Shenzhen PSI Testing Co., Ltd.  
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,  
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2505117-C01-R02  
Date of Receipt : April 16, 2025  
Date of Test : April 16, 2025-April 25, 2025  
Date of Report : April 25, 2025  
Version Number : V0

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## TEST REPORT DECLARATION

Applicant : Shenzhen Haitao Technology co.,Ltd  
Address : 2F Building 2, West Industrial Park, Hezhou  
District, Hangcheng Street, Bao'an District, Shenzhen, China  
Manufacturer : Shenzhen Haitao Technology co.,Ltd  
Address : 2F Building 2, West Industrial Park, Hezhou  
District, Hangcheng Street, Bao'an District, Shenzhen, China  
EUT Description : Wireless Charger  
(A) Model No. : HT-558  
(B) Trademark : N/A

Measurement Standard Used:

**FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310**

**KDB 680106 D01 Wireless Power Transfer v04**

### Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness test. Also, this report shows that the EUT is technically compliant with the KDB 680106 D01 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Felix Pang  
Test Engineer 

Approved by (name + signature).....: Simple Guan  
Project Manager 

Date of issue.....: April 25, 2025

**Revision History**

| Revision | Issue Date     | Revisions              | Revised By |
|----------|----------------|------------------------|------------|
| V0       | April 25, 2025 | Initial released Issue | Felix Pang |

## 1. Test Result Summary

| Requirement | CFR 47 Section                    | Result |
|-------------|-----------------------------------|--------|
| RF EXPOSURE | §1.1307(b)(1), §1.1310& KDB680106 | PASS   |

**Note:**

1. *PASS: Test item meets the requirement.*
2. *Fail: Test item does not meet the requirement.*
3. *N/A: Test case does not apply to the test object.*
4. *The test result judgment is decided by the limit of test standard.*
5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

## 2. EUT Description

### 2.1. Description of Device (EUT)

EUT Name : Wireless Charger  
Model No. : HT-558  
Diff : /  
Power supply : Input: 5 V  $\overline{\text{---}}$  3 A, 9 V  $\overline{\text{---}}$  3 A  
Output 1: Phone 15W/ 10W/ 7.5W/ 5W  
Output 2: TWS 5W  
Output 3: Watch 2.5W

Radio Technology : Wireless power transmission systems

Operation frequency : Phone:111KHz -205KHz  
TWS:111KHz -205KHz  
Watch: 300KHz -350KHz

Modulation : MSK

Antenna Type : Coil Antenna

Connector cable loss : 0dB

Software version : V1.0

Hardware version : V1.0

Note : Antenna information is provided by applicant.  
Testing lab is not responsible for the accuracy of the information.

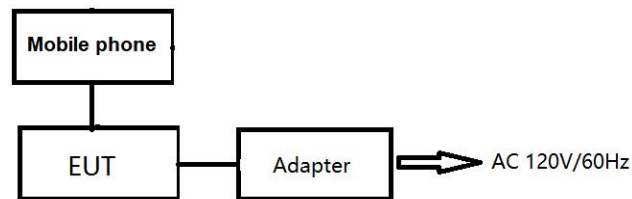
## 2.2. Accessories of Device (EUT)

|                |   |     |
|----------------|---|-----|
| Accessories    | : | N/A |
| Manufacturer   | : | N/A |
| Model          | : | N/A |
| specifications | : | N/A |

## 2.3. Tested Supporting System Details

| No. | Description  | Manufacturer | Model          | Serial Number | Certification |
|-----|--------------|--------------|----------------|---------------|---------------|
| 1   | Adapter      | HUAWEI       | HW-050450C00   | N/A           | N/A           |
| 2   | Mobile phone | Xiaomi       | Xiaomi 12S Pro | N/A           | N/A           |
| 3   | Earphone     | Apple Inc.   | A2031          | N/A           | N/A           |
| 4   | Apple watch  | Apple Inc.   | ultra 2        | N/A           | N/A           |

## 2.4. Block Diagram of connection between EUT and simulators



## 2.5. Description of Test Modes

| Mode | Test mode description                                                   |
|------|-------------------------------------------------------------------------|
| 1    | AC Adapter+Wireless charging mode (Phone: Battery Status: $\leq 1\%$ )  |
| 2    | AC Adapter+Wireless charging mode (Phone: Battery Status: 50%)          |
| 3    | AC Adapter+Wireless charging mode (Phone: Battery Status: $\geq 98\%$ ) |
| 4    | AC Adapter+Wireless charging mode (TWS: Battery Status: $\leq 1\%$ )    |
| 5    | AC Adapter+Wireless charging mode (TWS: Battery Status: 50%)            |
| 6    | AC Adapter+Wireless charging mode (TWS: Battery Status: $\geq 98\%$ )   |
| 7    | AC Adapter+Wireless charging mode (Watch: Battery Status: $\leq 1\%$ )  |
| 8    | AC Adapter+Wireless charging mode (Watch: Battery Status: 50%)          |
| 9    | AC Adapter+Wireless charging mode (Watch: Battery Status: $\geq 98\%$ ) |

Note: 1.All modes of full load, half load, and no-load have also been tested.

2. Mode 1 is worst case.

## 2.6. Test Conditions

| Items              | Required  |
|--------------------|-----------|
| Temperature range: | 15-35℃    |
| Humidity range:    | 25-75%    |
| Pressure range:    | 86-106kPa |

## 2.7. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

## 2.8. Measurement Uncertainty

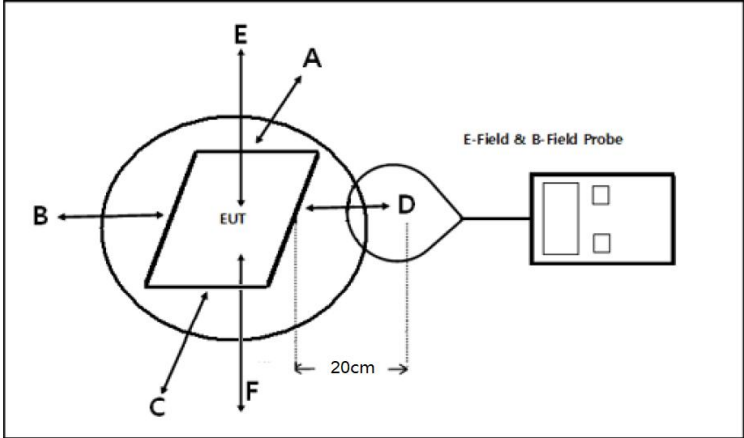
(95% confidence levels, k=2)

| Item                                          | Uncertainty |
|-----------------------------------------------|-------------|
| Uncertainty for H-Field                       | 2.39dB      |
| Uncertainty for E-Field                       | 2.45dB      |
| Uncertainty for conducted RF Power            | 0.65dB      |
| Uncertainty for temperature                   | 0.2℃        |
| Uncertainty for humidity                      | 1%          |
| Uncertainty for DC and low frequency voltages | 0.06%       |

### 3. Test Results and Measurement Data

#### 3.1. RF EXPOSURE TEST

##### 3.1.1. Test Specification

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | <b>FCC Rules and Regulations KDB680106</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Test Method:</b>      | §1.1307(b)(1) & KDB680106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Limits:</b>           | 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 KDB 680106 D01 Wireless Power Transfer v04: RF Exposure Wireless Charging.                                                                                                                                                                                                                                                                  |
| <b>Test Setup:</b>       |  <p>E to position is 20cm, F is the bottom of the product</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Test Mode:</b>        | Transmitting Mode<br>(Mobile phone will be charge at zero charge, intermediate charge, and full charge.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. The RF exposure test was carried out on a non-metallic table top 80cm high in the shielding darkroom.</li> <li>2. The measurement probe was placed at test distance (20 cm for Top side) which is between the edge of the charger and the geometric centre of probe.</li> <li>3. The test time is maintained for more than one minute.</li> <li>4. The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.</li> <li>5. The EUT were measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.</li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 3.1.2. Test Instruments

| Item | Equipment                   | Manufacturer | Model No.        | Serial No. | Last Cal.  | Cal. Interval |
|------|-----------------------------|--------------|------------------|------------|------------|---------------|
| 1    | Exposure Level Tester       | narda        | ELT-400          | O-0729     | 2024.05.06 | 1 Year        |
| 2    | Magnetic field probe 100cm2 | narda        | ELT probe 100cm2 | M-2116     | 2024.05.06 | 1 Year        |

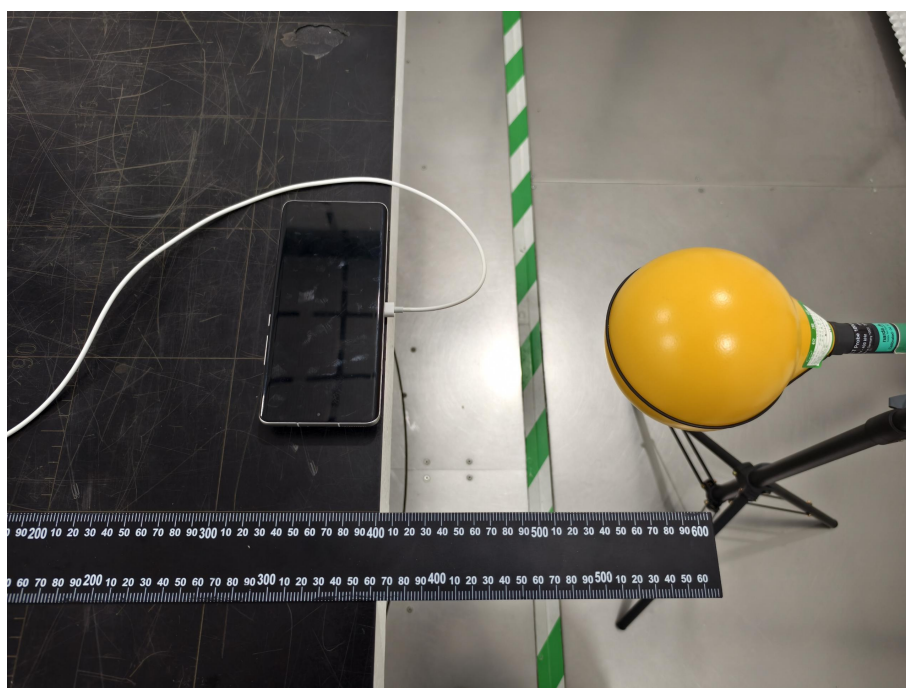
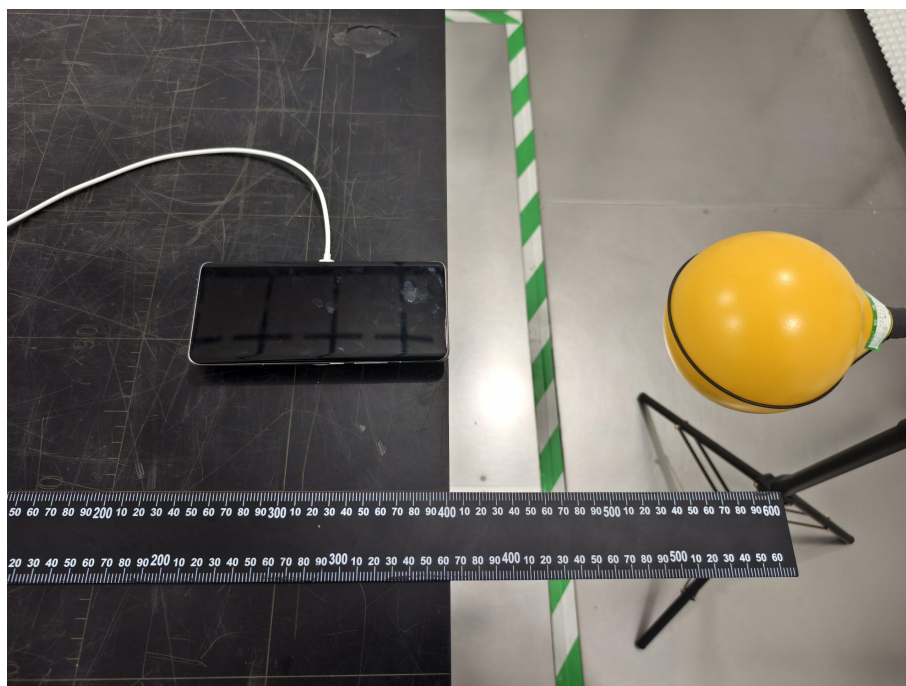
## 3.1.3. Test data

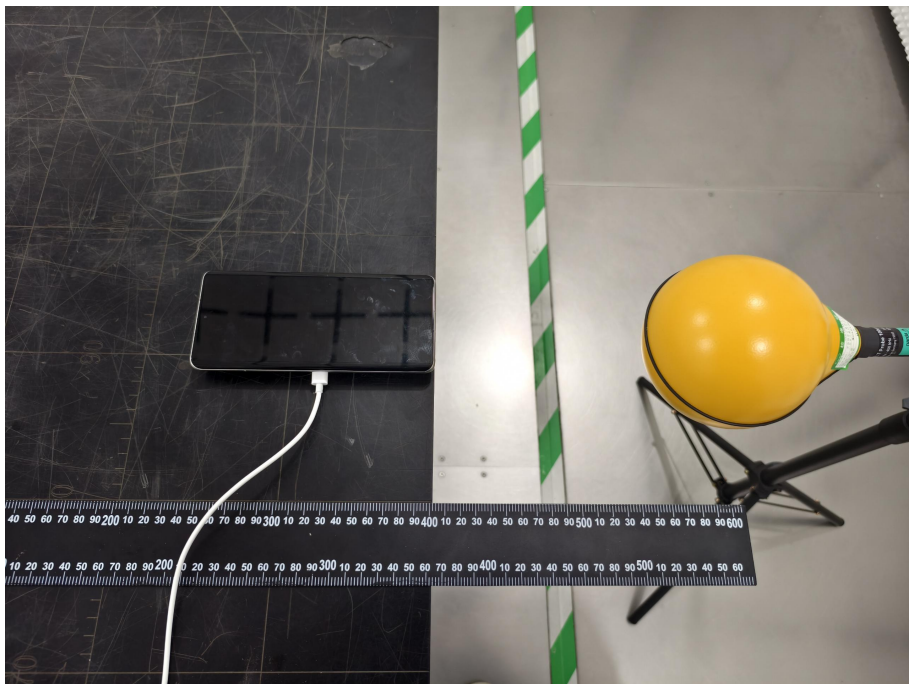
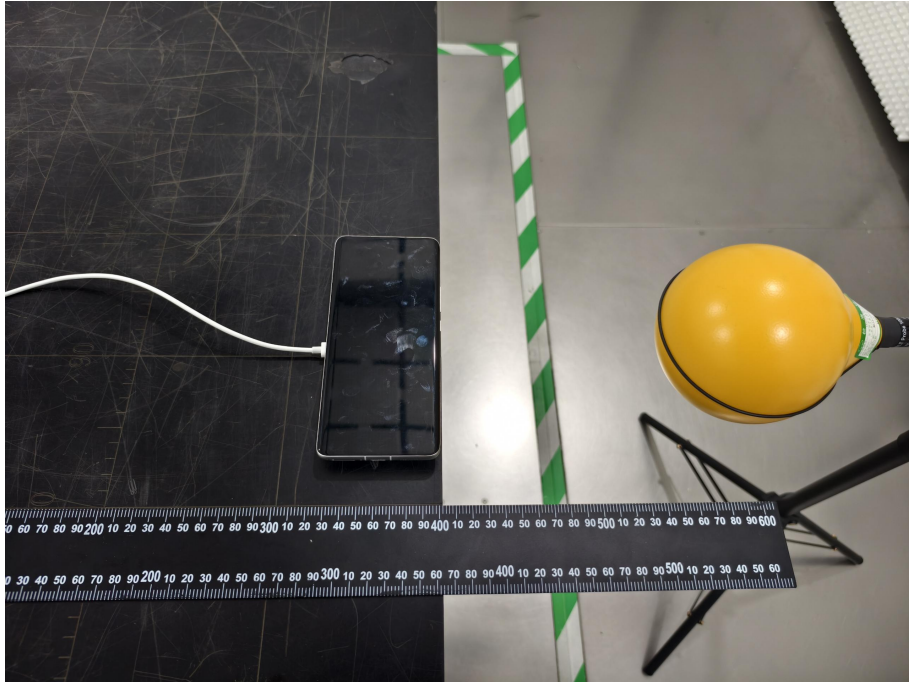
**For Wireless output: mode 1:**

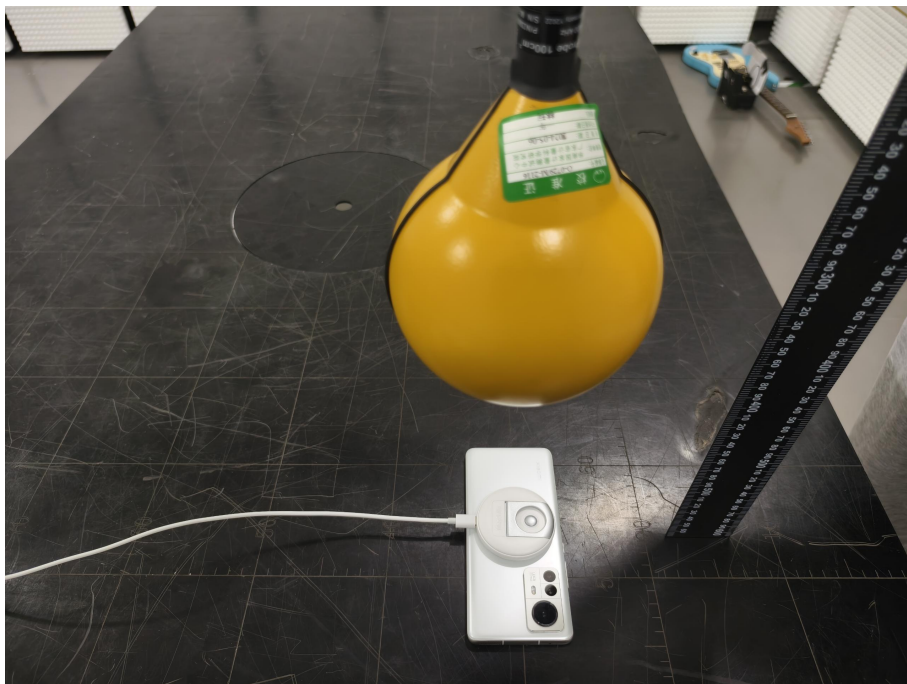
| Frequency Range (MHz) | Unit   | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | 50%Limits (A/m) | Limits (A/m) | test result |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|-------------|
| 0.111-0.205           | A (uT) | 0.34            | 0.29            | 0.29            | 0.23            | 0.42            | 0.24            | 0.815           | 1.63         | PASS        |
|                       | (A/m)  | 0.27            | 0.23            | 0.23            | 0.18            | 0.34            | 0.19            |                 |              |             |
| 0.111-0.205           | A (uT) | 0.36            | 0.45            | 0.25            | 0.29            | 0.38            | 0.33            | 0.815           | 1.63         | PASS        |
|                       | (A/m)  | 0.29            | 0.36            | 0.20            | 0.23            | 0.30            | 0.26            |                 |              |             |
| 0.300-0.350           | A (uT) | 0.32            | 0.52            | 0.25            | 0.52            | 0.39            | 0.44            | 0.815           | 1.63         | PASS        |
|                       | (A/m)  | 0.26            | 0.42            | 0.20            | 0.42            | 0.31            | 0.35            |                 |              |             |

Note: Calculation:  $A/m = uT/1.25$

#### 4. Photos of test setup







-----END OF REPORT-----