

**FCC TEST REPORT**  
**FCC ID: 2AXY5-M43-25W**

On Behalf of

Shenzhen Yifeng Intelligent Technology Co., Ltd.

Qi2.2 Magnetic Wireless Charger

Model No.: M43

Prepared for : Shenzhen Yifeng Intelligent Technology Co., Ltd.  
Address : 201, Building 4, Sanwei Chaxi Industrial Zone, Sanwei Community, Hang  
Cheng Street, Bao An District, Shenzhen

Prepared By : Shenzhen PSI Testing Co., Ltd.  
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Date of Receipt : Oct. 30, 2025  
Date of Test : Oct. 30, 2025 to Nov. 27, 2025  
Date of Report : Nov. 27, 2025  
Version Number : V0

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## TEST REPORT DECLARATION

Applicant : Shenzhen Yifeng Intelligent Technology Co., Ltd.  
Address : 201, Building 4, Sanwei Chaxi Industrial Zone, Sanwei Community, Hang Cheng Street, Bao An District, Shenzhen  
Manufacturer : Shenzhen Yifeng Intelligent Technology Co., Ltd.  
Address : 201, Building 4, Sanwei Chaxi Industrial Zone, Sanwei Community, Hang Cheng Street, Bao An District, Shenzhen  
EUT Description : Qi2.2 Magnetic Wireless Charger  
(A) Model No. : M43  
(B) Trademark : YFZN

Measurement Standard Used:

**FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310, 2.1091**

**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.....: Nov. 27, 2025

**Revision History**

| Revision | Issue Date    | Revisions              | Revised By |
|----------|---------------|------------------------|------------|
| V0       | Nov. 27, 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             | : | Qi2.2 Magnetic Wireless Charger                                                                                        |
| Model No.            | : | M43                                                                                                                    |
| DIFF.                | : | /                                                                                                                      |
| Power supply         | : | Input: 9-18 V  2 A<br>Output: 25W Max |
| Radio Technology     | : | Wireless power transmission systems                                                                                    |
| Operation frequency  | : | 115-205KHz, 360KHz                                                                                                     |
| Modulation           | : | ASK                                                                                                                    |
| Antenna Type         | : | Inductive loop coil Antenna, Maximum Gain is 0dBi                                                                      |
| Connector cable loss | : | 0dB                                                                                                                    |
| Software version     | : | V1.0                                                                                                                   |
| Hardware version     | : | V1.0                                                                                                                   |
| Note                 | : | Antenna information is provided by applicant.<br>Testing lab is not responsible for the accuracy of the information.   |

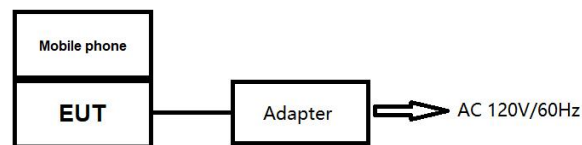
## 2.2. Accessories of Device (EUT)

|                |   |     |
|----------------|---|-----|
| 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   | AC Adapter   | Huizhou Jinhua Industrial Development Co., Ltd. | VCBAJACH       | /             | /             |
| 2   | Mobile phone | Xiaomi                                          | Xiaomi 12S Pro | /             | /             |
| 3   | Mobile phone | Apple Inc.                                      | iPhone 15 Pro  | /             | /             |

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



## 2.5. Description of Test Modes

| Mode | Test mode description                                                 |
|------|-----------------------------------------------------------------------|
| 1    | AC Mains + Mobile phone EPP Protocol: 115-205KHz(Battery Status:≤1%)  |
| 2    | AC Mains + Mobile phone EPP Protocol: 115-205KHz(Battery Status:50%)  |
| 3    | AC Mains + Mobile phone EPP Protocol: 115-205KHz(Battery Status:≥98%) |
| 4    | AC Mains + Mobile phone MPP Protocol: 360KHz(Battery Status:≤1%)      |
| 5    | AC Mains + Mobile phone MPP Protocol: 360KHz(Battery Status:50%)      |
| 6    | AC Mains + Mobile phone MPP Protocol: 360KHz(Battery Status:≥98%)     |
| 7    | Standby                                                               |

Note: All modes of full load, half load, and no-load have also been tested, , only the worst-case was recorded in the report. Mode 1 is the worst mode.

## 2.6. Test Conditions

| Items              | Required  |
|--------------------|-----------|
| Temperature range: | 15-35°C   |
| 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

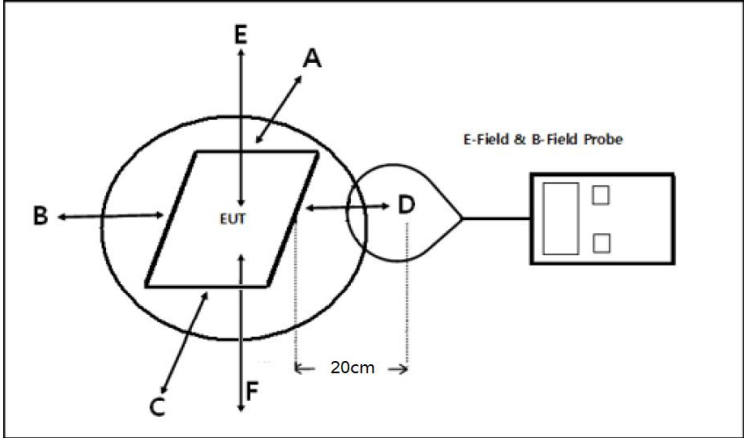
(95% confidence levels, k=2)

| 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°C       |
| 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, F) 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     | 2025.05.15 | 1 Year        |
| 2    | Magnetic field probe 100cm2 | narda        | ELT probe 100cm2 | M-2116     | 2025.05.15 | 1 Year        |

## 3.1.3. Test data

**AC Mains + Mobile phone EPP Protocol (Battery Status:  $\leq 1\%$ ) :**

E-Field Strength at 20 cm for position A, B, C, D, E, F from the edges surrounding the EUT (V/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (V/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.115-0.205           | 21.452          | 17.543          | 17.246          | 20.746          | 18.443          | 18.471          | 614               |

Note: V/m= A/m \*377

H-Filed Strength at 20 cm for position A, B, C, D, E, F from the edges surrounding the EUT (A/m)

| Frequency Range (MHz) | Unit   | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (A/m) |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.115-0.205           | (A/m)  | 0.061           | 0.072           | 0.053           | 0.063           | 0.055           | 0.059           | 1.63              |
|                       | A (uT) | 0.066           | 0.057           | 0.062           | 0.064           | 0.068           | 0.071           | /                 |

Note: uT to A/m: A/m = uT/1.25

**AC Mains + Mobile phone MPP Protocol (Battery Status:  $\leq 1\%$ ) :**

E-Field Strength at 20 cm for position A, B, C, D, E, F from the edges surrounding the EUT (V/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (V/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.360                 | 21.522          | 17.846          | 18.126          | 19.846          | 18.953          | 18.423          | 614               |

Note: V/m= A/m \*377

H-Filed Strength at 20 cm for position A, B, C, D, E, F from the edges surrounding the EUT (A/m)

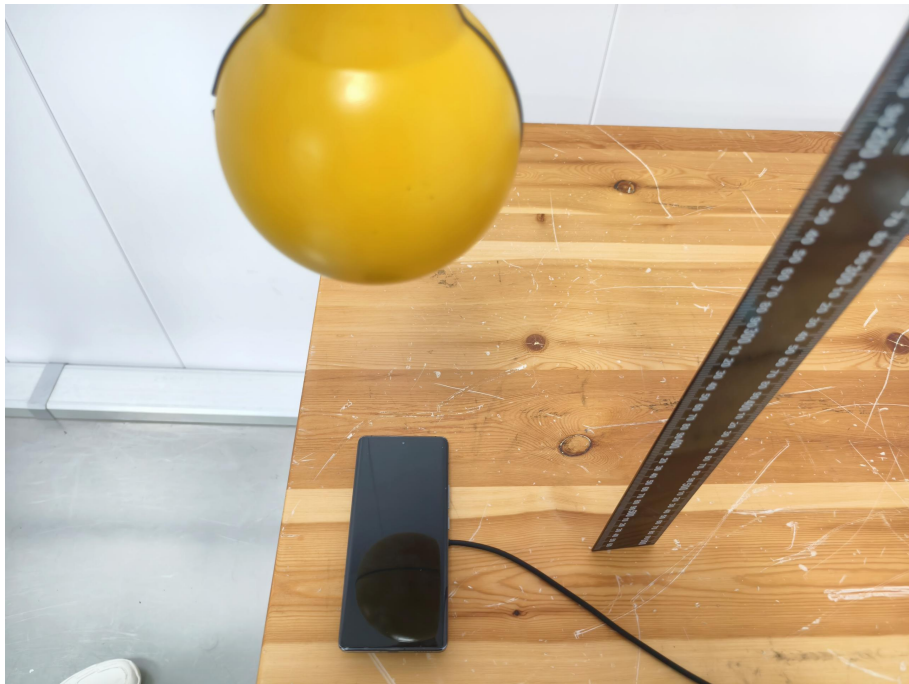
| Frequency Range (MHz) | Unit   | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Test Position F | Limits Test (A/m) |
|-----------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 0.360                 | (A/m)  | 0.062           | 0.071           | 0.057           | 0.064           | 0.054           | 0.065           | 1.63              |
|                       | A (uT) | 0.065           | 0.059           | 0.061           | 0.063           | 0.067           | 0.072           | /                 |

Note: uT to A/m: A/m = uT/1.25

#### 4. Photos of test setup







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