

# Test Report

**Report No.:** MTi231127010-01E2

**Date of issue:** 2024-03-18

**Applicant:** Shenzhen Yifeng Intelligent Technology Co., Ltd.

**Product:** Multifunctional Wireless Charger Stand

**Model(s):** P7, P7A

**FCC ID:** 2AXY5-P7

Shenzhen Microtest Co., Ltd.  
<http://www.mtitest.com>

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<b>Test Result Certification</b>	
<b>Applicant:</b>	Shenzhen Yifeng Intelligent Technology Co., Ltd.
<b>Address:</b>	201, Building 4, Sanwei Chaxi Industrial Zone, Sanwei Community, Hang Cheng Street, Bao An District, Shenzhen.
<b>Manufacturer:</b>	Shenzhen Yifeng Intelligent Technology Co., Ltd.
<b>Address:</b>	201, Building 4, Sanwei Chaxi Industrial Zone, Sanwei Community, Hang Cheng Street, Bao An District, Shenzhen.
<b>Product description</b>	
<b>Product name:</b>	Multifunctional Wireless Charger Stand
<b>Trademark:</b>	YFZN
<b>Model name:</b>	P7
<b>Series Model:</b>	P7A
<b>Standards:</b>	FCC CFR 47 PART 1, § 1.1310
<b>Test method:</b>	KDB 680106 D01 Wireless Power Transfer v04
<b>Date of Test</b>	
<b>Date of test:</b>	2024-03-01 to 2024-03-15
<b>Test result:</b>	Pass

Test Engineer :



(David Lee)

Reviewed By :



(Leon Chen)

Approved By :



(Tom Xue)

## 1 General Description

### 1.1 Description of the EUT

Product name:	Multifunctional Wireless Charger Stand
Model name:	P7
Series Model:	P7A
Model difference:	All the models are the same circuit and module, except the model name and color.
Electrical rating:	Input: DC9V2.66A, 12V2A Wireless Output: TWS: 5W Max Watch: 3W Max
Accessories:	Cable: USB-A to USB-C Cable 100cm
Hardware version:	V1.1
Software version:	V03B334
Test sample(s) number:	MTi231127010-01S1001
<b>RF specification:</b>	
Operation frequency:	Coil1 (Earphone): 115-205KHz Coil2 (Watch): 300-360KHz
Modulation type:	ASK
Antenna type:	Coil

## 1.2 Description of test modes

All the test modes were carried out with the EUT in normal operation, the final test mode of the EUT was the worst test mode for emission test, which was shown in this report and defined as:

No.	Emission test modes
Mode1	Wireless output Earphone(5W)+Watch(3W)
Mode2	Wireless output Watch(3W)
Mode3	Wireless output Earphone(5W)
Mode4	stand by
All of the listed test mode were tested, only the data of the worst mode (Mode1) is recorded in the report	

### 1.3 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support equipment list			
Description	Model	Serial No.	Manufacturer
HUAWEI QUICK CHARGE(65W)	HW-200200ZP1	JN67LSN7N03451	HUAWEI
iwatch Series 7	/	/	Apple
Air Pods	MQD83CH/A	/	Apple
Support cable list			
Description	Length (m)	From	To
/	/	/	/

## 2 Measurement uncertainty

Parameter	Expanded Uncertainty
Magnetic field measurement (9kHz~30MHz)	± 18.6%
Electric field measurements (9kHz~30MHz)	± 18.6%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3 Test facilities and accreditations

#### 3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573

#### 4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
MTi-E115	Electric and Magnetic Field Probe – Analyzer	Narda	EHP-200A	101166	2023/08/14	2026/08/13

## 5 Test result

### 5.1.1 Requirement

§1.1310: 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), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

**Table 1 to §1.1310(e)(1) - 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>(i) Limits for Occupational/Controlled Exposure</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
1500-100000			5	<6
<b>(ii) 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
1500-100000			1.0	<30

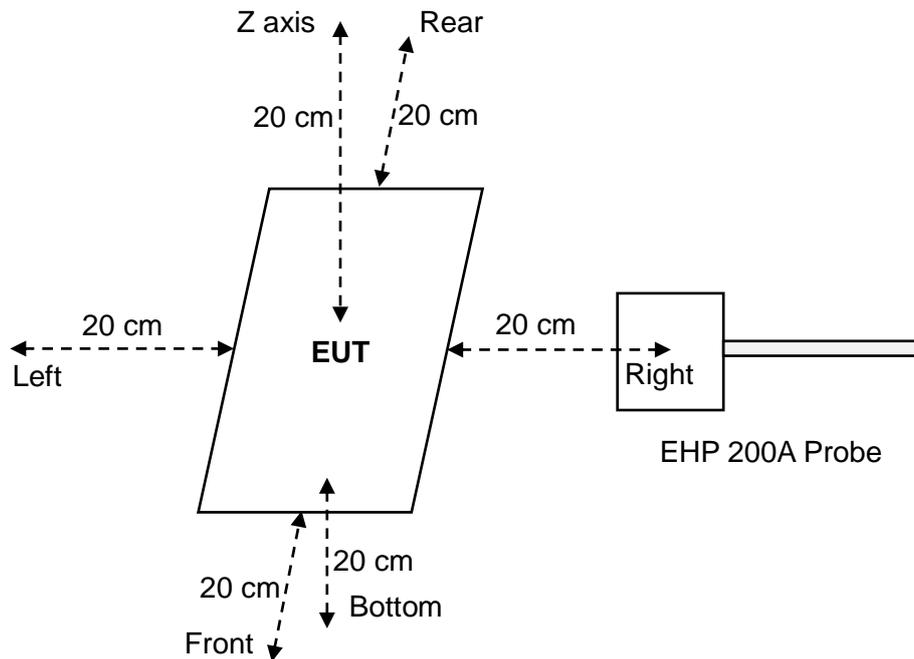
f = frequency in MHz

\* = Plane-wave equivalent power density

**Note 1:** Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

**Note 2:** General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

## 5.2 Test setup



## 5.3 Test Procedures

- The RF exposure test was performed in anechoic chamber.
- E and H-field measurements should be made with these devices considered to meet the § 2.1091-Mobile conditions (“generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the RF source's radiating structure(s) and [the nearest person]”).
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

**5.4 Test results**
**Test condition 1: Mode 1 operating mode with client device (1 % battery status of client device)**

Probe Position	E -field (V/m)			H-field (A/m)		
	Measurement	Limit	Percentage (%)	Measurement	Limit	Percentage (%)
Z axis	0.7410	614	0.22%	0.0709	1.63	16.24%
Left	0.4598			0.1650		
Right	0.3734			0.0946		
Front	1.3423			0.0962		
Rear	0.7423			0.2647		
bottom	0.3707			0.0745		

**Test condition 2: Mode 1 operating mode with client device (50 % battery status of client device)**

Probe Position	E -field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Z axis	0.7289	614	0.22%	0.0713	1.63	16.80%
Left	0.4423			0.1721		
Right	0.3638			0.0866		
Front	1.3268			0.0954		
Rear	0.7561			0.2738		
Bottom	0.3523			0.0659		

**Test condition 3: Mode 1 operating mode with client device (99 % battery status of client device)**

Probe Position	E -field (V/m)			H-field (A/m)		
	Measurement	Limit	Percentage (%)	Measurement	Limit	Percentage (%)
Z axis	0.7267	614	0.24%	0.0622	1.63	15.69%
Left	0.4506			0.1570		
Right	0.3717			0.0851		
Front	1.3239			0.0869		
Rear	0.7391			0.2558		
bottom	0.3548			0.0688		

## **Photographs of the Test Setup**

See the Appendix - Test Setup Photos.

## **Photographs of the EUT**

See the Appendix - EUT Photos.

**----End of Report----**