

Health Test Report

For

Applicant name: Shenzhen Torras Technology Co., Ltd.
Address: RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China
EUT name: 3-in-1 Wireless Charger
Brand name: TORRAS
Model number: WX7
Series model number: Refer to section 2
FCC ID: 2AN4Y-WX7

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Report number: BTF251107R00802
Test standards: 47 CFR Part 1 Subpart I Section 1.1310
Test conclusion: Pass
Date of sample receipt: 2025-11-18
Test date: 2025-11-18 to 2025-12-29
Date of issue: 2026-01-30

Prepared by:



Chris Liu / Project engineer

Approved by:



Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue date	Revisions content
R_V0	2026-01-30	Original
<i>Note:</i> <i>Once the revision has been made, then previous versions reports are invalid.</i>		

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1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Description:	All measurement facilities used to collect the measurement data are located at Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
- (7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

2 Product Information

2.1 Application Information

Company name:	Shenzhen Torras Technology Co., Ltd.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.2 Manufacturer Information

Company name:	Shenzhen Torras Technology Co., Ltd.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.3 Factory Information

Company name:	Shenzhen Torras Technology Co., Ltd.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT name	3-in-1 Wireless Charger
Under test model name	WX7
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
AC adapter:	Model: HC200364R067 Input: 100-240V~50/60Hz 1.8A Output: 5V= 3A, 9V= 3A, 12V= 3A, 15V= 3A, 20V= 3.35A 67W Max
Rating:	Input: 12V= 3A / 15V= 3A / 20V= 3A Output: Phone: 25W Max, Watch: 5W Max, Earbuds: 5W Max Total Output: 35W Max

2.5 Technical Information

Operation frequency:	Phone: 110 kHz-205kHz, 300 kHz-400kHz, Earbuds: 110 kHz-205kHz, Watch: 320.0kHz-327.0kHz, 1.759MHz-1.778MHz.
Modulation technology:	ASK
Antenna type:	Coil Antenna

3 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Electric and Magnetic Field Analyzer	Narda	EHP-200A	180ZX11001	2025/11/21	2026/11/20

4 Applied Reference Documents

Identity	Document Title
47 CFR Part 1 Subpart I Section 1.1310	Radiofrequency radiation exposure limits.

5 Test mode

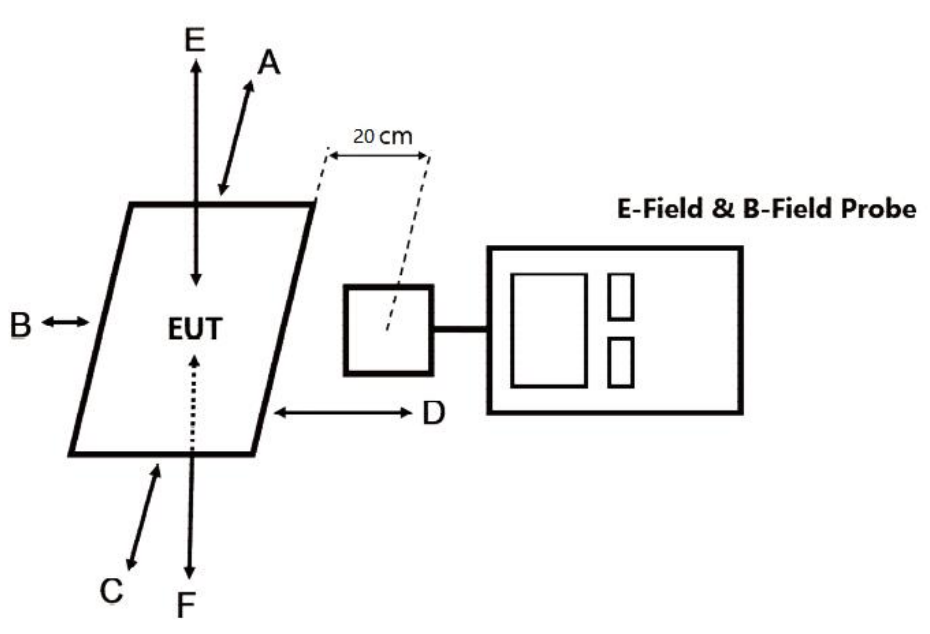
No.	Test Modes	
Radiated&Conducted Test cases	ANT1+ANT2+ANT3	Mode 1: AC/DC Adapter+EUT + Wireless load-1(Battery Status:99%) + Wireless load-2 (Battery Status:99%) + Wireless load-3 (Battery Status:99%)
		Mode 2: AC/DC Adapter+ EUT + Wireless load-1(Battery Status:50%) + Wireless load-2 (Battery Status:50%) + Wireless load-3 (Battery Status:50%)
		Mode 3: AC/DC Adapter+EUT + Wireless load-1(Battery Status:1%) + Wireless load-2 (Battery Status:1%) + Wireless load-3 (Battery Status:1%)
	ANT1 Alone	Mode 1: AC/DC Adapter +EUT + Wireless load-1(Battery Status:99%) Mode 2: AC/DC Adapter+EUT + Wireless load-1(Battery Status:50%) Mode 3: AC/DC Adapter+EUT + Wireless load-1(Battery Status:1%)
	ANT2 Alone	Mode 1: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:99%) Mode 2: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:50%) Mode 3: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:1%)
	ANT3 Alone	Mode 1: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:99%) Mode 2: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:50%) Mode 3: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:1%)
	No Loads	Mode 2: AC/DC Adapter + EUT
Note: All modes have been tested, and only the worst case ANT1+ANT2+ANT3_Mode 3 are in the report.		

6 Test Auxiliary Equipment

No.	Description	Manufacturer	Model	Serial Number	Certification
1	iPhone	Apple	IPhone 15 pro	/	/
2	Earbuds	Apple	Air Pods 4	/	/
3	Watch	Apple	SE 3	/	/

7 Test Settings

Test Setup



The diagram illustrates the test setup. A rectangular Device Under Test (DUT) is shown with six sides labeled A through F. Side A is the front, B is the back, C is the left, D is the right, E is the top, and F is the bottom. An E-Field & B-Field Probe is positioned 20 cm from the DUT. The probe is connected to a measurement device, which is represented by a box with two vertical slots. The distance of 20 cm is indicated by a dashed line and an arrow.

Remrak:

- The EHP 200AC probe antenna diameter is 8.8cm.
- A is Front side, B is Back side, C is Left side, D is Right side, E is Top side.
- The test distance of A, B, C, D, E side is 20cm.

Test Procedure

- Installing the probe and turn on the EHP 200AC power switch, in the testing software, select the magnetic field test mode and the A/m unit, select the peak detection mode, select the Max-Hold display.
- Check the background noise.
- Make DUT work at maximum transmit power.
- During the measurement, the probe centre of the EHP 200AC is kept in 20cm distance from each test surface of the wireless charging base, and recorded the measured values of the A, B, C, D, E side are separately.
- In the testing software, Select the electric field test mode and the V/m unit, select the peak detection mode, select the Max-Hold display.

Note1: The sensitive elements are located approximately 8mm below the exxternal surface

Note2: Measurements should be made from all sides and the top of the primary/client pair, with the 20cm measured from the center of the probe(s) to the edge of the device.

- The RF exposure test was performed in anechoic chamber.
- The measurement probe was placed at test distance (20cm) which is between the edge of the charger and

the geometric center of probe.

3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.

4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

8 Reference Levels Limits

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f ²	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

9 Assessment Results

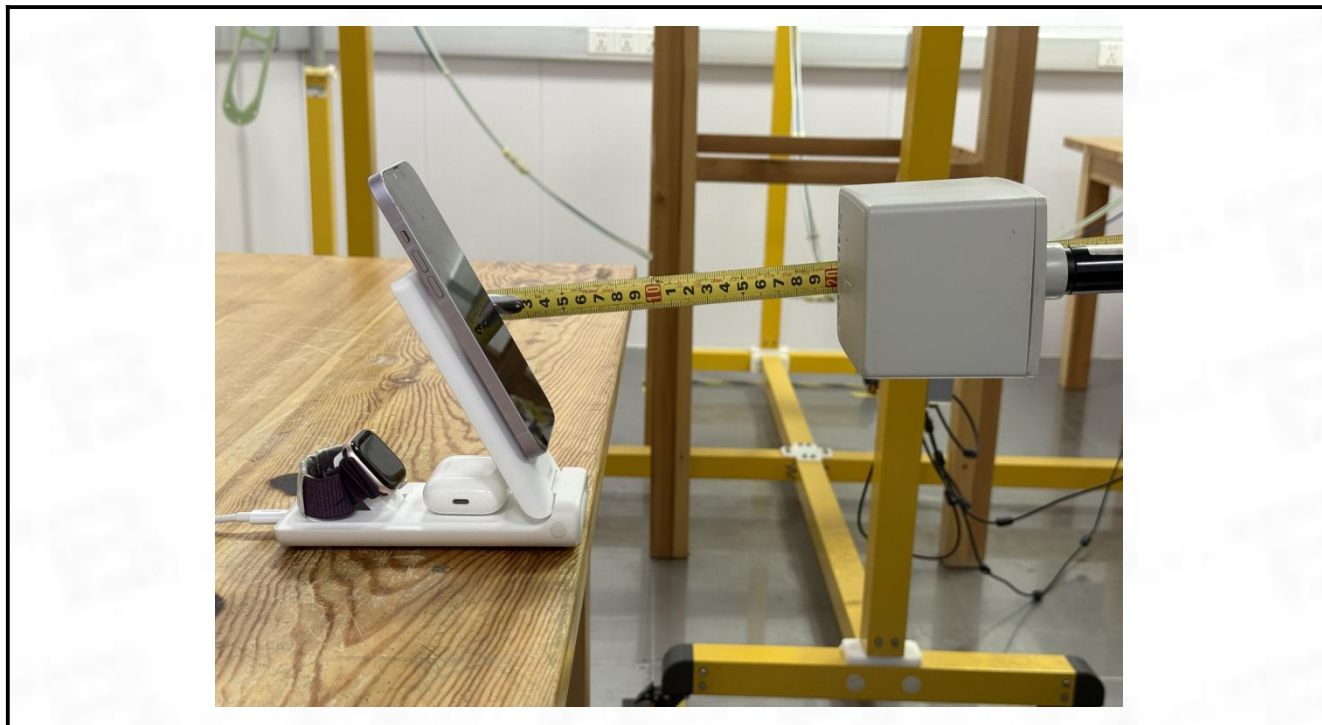
➤ MPE Evaluation:

H-Field Strength at 20cm from the edges surrounding the EUT								
Load	Measured Distance (cm)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	FCC E-Field Strength Limits (V/m)
99%	20	1.77	1.86	1.80	2.50	2.20	/	614
50%	20	1.88	1.86	1.84	2.55	2.22	/	614
1%	20	1.93	1.89	1.98	2.59	2.33	/	614
E-Field Strength at 20cm from the edges surrounding the EUT								
Load	Measured Distance (cm)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	FCC H-Field Strength Limits (A/m)
99%	20	0.155	0.154	0.144	0.167	0.193	/	1.63
50%	20	0.163	0.165	0.152	0.183	0.205	/	1.63
1%	20	0.236	0.236	0.217	0.221	0.254	/	1.63

➤ Conclusion:

According to 47 CFR Part 1 Subpart I Section 1.1310, this device complies with human exposure basic restrictions.

10 Test Setup Photos





BTF Testing Lab (Shenzhen) Co., Ltd.

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