

TEST REPORT

Reference No...... : WTX21X04027734W-2
FCC ID : 2AXY5-T8
Applicant : Shenzhen Yifeng Intelligent Technology Co., Ltd.
Address : 10th Floor, Building 2, Chaxi, Zone B, Huafeng First Science Park,
Hangcheng Street, Gushu, Baoan District, Shenzhen
Product Name : Wireless Charging
Test Model. : T8
Standards : KDB 680106 D01 V03
Date of Receipt sample : Apr. 01, 2021
Date of Test..... : Apr. 01, 2021 to May. 31, 2021
Date of Issue : May. 31, 2021
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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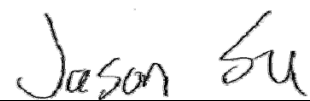
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Report version

Version No.	Date of issue	Description
Rev.00	May. 31, 2021	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Yifeng Intelligent Technology Co., Ltd.
Address of applicant: 10th Floor, Building 2, Chaxi, Zone B, Huafeng First Science Park, Hangcheng Street, Gushu, Baoan District, Shenzhen

Manufacturer: Shenzhen Yifeng Intelligent Technology Co., Ltd.
Address of manufacturer: 10th Floor, Building 2, Chaxi, Zone B, Huafeng First Science Park, Hangcheng Street, Gushu, Baoan District, Shenzhen

General Description of EUT	
Product Name:	Wireless Charging
Trade Name:	/
Model No.:	T8
Adding Model(s):	/
Battery Capacity	/
Note: The test data is gathered from a production sample, provided by the manufacturer.	

Technical Characteristics of EUT	
Frequency Range:	112-205kHz; 326KHz
Antenna Type:	Coil Antenna
Rated Voltage:	Adapter DC9V
Rated Current:	/
Rated Power:	Top:3W; Back :5W; Front:5W/10W
Note: Top for watch; Back for earphone; Front for mobile phone.	

1.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
MPE Measuring Instrument	Narda	ELT-400	M-0155/M-0170	2020-07-15	2021-07-14
Broadband Field Meter	Narda	NBM-520	D-1699	2020-06-21	2021-06-20

2. RF Exposure Test Report

2.1 Standard Applicable

According to § 1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

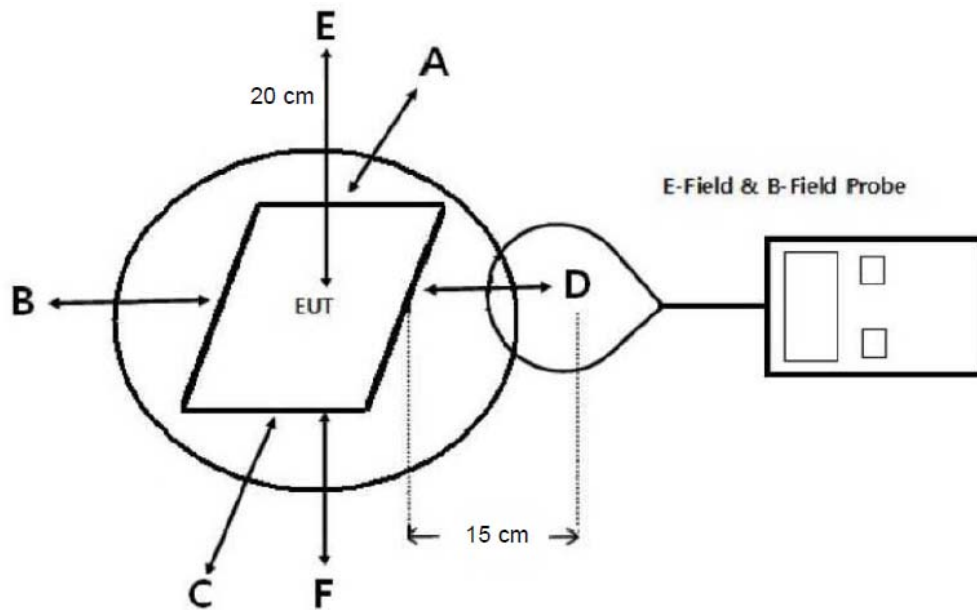
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5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

2.2 Test Conditions

Test Mode	Description	Remark	Power Supply Mode
TM1	Wireless charging	Top Wireless Output:3W; Back Wireless Output:5W; Front Wireless Output:5W	AC120V;Adapter DC9V
TM2	Wireless charging	Top Wireless Output:3W; Back Wireless Output:5W; Front Wireless Output:10W	AC120V;Adapter DC9V
Note: 1. Each wireless charging has been tested in individual and combined modes, and only the worst mode is shown in the report. 2. Top for watch; Back for earphone; Front for mobile phone.			
Measurement Distance:	15 cm		

2.3 Test Procedure



- The measurement probe was placed at test distance (15 cm for A, B, C, D, F and 20 cm for E) which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded at the measurement points (A, B, C, D, E, F).
- The EUT was measured according to the distance of KDB 680106 D01 V03.

2.4 Test Result

The EUT dose comply with item 5.2 of KDB 680106 D01V03

- Power transfer frequency is less than 1 MHz
Yes, the device operates in the frequency range from 112 kHz to 205 kHz and 326 kHz.
- Output power from each primary coil is less than or equal to 15 watts
Yes, the maximum output power of the primary coil is less than 15W.
- The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
Yes, only one single primary coil in a WPT system
- Client device is inserted in or placed directly in contact with the transmitter
Yes, Client device is placed directly in contact with the transmitter.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

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Yes, It is mobile exposure conditions only.

6. The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test TM1, TM2 list, and the coils can't transmitted simultaneous.

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Wireless charging load	/	sk4559-8988	/

Test Mode: TM1

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Top	24	614	307
Bottom	23	614	307
Side 1	21	614	307
Side 2	21	614	307
Side 3	22	614	307
Side 4	23	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Top	0.19	1.63	0.815
Bottom	0.16	1.63	0.815
Side 1	0.17	1.63	0.815
Side 2	0.16	1.63	0.815
Side 3	0.17	1.63	0.815
Side 4	0.16	1.63	0.815

Test Mode: TM2

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Top	35	614	307
Bottom	36	614	307
Side 1	34	614	307
Side 2	35	614	307
Side 3	36	614	307
Side 4	34	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Top	0.26	1.63	0.815
Bottom	0.24	1.63	0.815
Side 1	0.25	1.63	0.815
Side 2	0.25	1.63	0.815
Side 3	0.23	1.63	0.815
Side 4	0.24	1.63	0.815

Note: this EUT was tested in 3 orthogonal positions and the worst case position (D point) data was reported.

2.5 Test Photos



APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******