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MPE TEST REPORT

Report No:STS1808264H01

Issued for

Yizaichang Technology (Shenzhen) Co., Ltd.

No. 77, building 14, A District, Building B, Qing Hu technical park, Longhua District, Shenzhen, China

Product Name:	Three-in-one wireless charging
Brand Name:	N/A
Model Name:	YZC300-1
Series Model:	YZC300-2, YZC300-3, YZC300-4, YZC300-5, YZC300-6
FCC ID:	2AQ62-YZC300
Test Standard:	FCC CFR 47 part 1, 1.1310

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TEST RESULT CERTIFICATION

Applicant's name: Yizaichang Technology (Shenzhen) Co., Ltd.
Address: No. 77, building 14, A District, Building B, Qing Hu technical park, Longhua District, Shenzhen, China
Manufacture's Name: Yizaichang Technology (Shenzhen) Co., Ltd.
Address: No. 77, building 14, A District, Building B, Qing Hu technical park, Longhua District, Shenzhen, China

Product description

Product Name: Three-in-one wireless charging
Brand Name: N/A
Model Name: YZC300-1
Series Model: YZC300-2, YZC300-3, YZC300-4, YZC300-5, YZC300-6

Standards : FCC CFR 47 part 1, 1.1310
Test Procedure : 680106 D01 RF Exposure Wireless Charging Apps v03

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of performance of tests: 31 Aug. 2018 ~11 Sept. 2018

Date of Issue : 11 Sept. 2018

Test Result : Pass

Testing Engineer : Chris chen
(Chris chen)

Technical Manager : Sean she
(Sean she)

Authorized Signatory : Vita Li
(Vita Li)





Table of Contents	Page
1. SUMMARY OF TEST RESULTS	5
1.1 TEST FACTORY	5
1.2 MEASUREMENT UNCERTAINTY	5
1.3 GENERAL DESCRIPTION OF EUT	6
1.4 EQUIPMENTS LIST FOR ALL TEST ITEMS	7
2. MAXIMUM PERMISSIBLE EXPOSURE	8
2.1 MAXIMUM PERMISSIBLE EXPOSURE	8
2.2 TEST PROCEDURE	9
2.3 TEST SETUP	9
2.5 MAXIMUM PERMISSIBLE EXPOSURE	10





Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	11 Sept. 2018	STS1808264H01	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
 FCC KDB 680106 D01 RF Exposure Wireless Charging Apps v03

FCC CFR 47			
Standard Section	Test Item	Judgment	Remark
FCC CFR 47 part1, 1.1310 KDB680106 D01v03	Electric Field Strength (E) (V/m)	PASS	
	Magnetic Field Strength (H) (A/m)	PASS	

1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
 Add. : 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
 Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
 CNAS Registration No.: L7649; FCC Registration No.: 625569
 IC Registration No.: 12108A; A2LA Certificate No.: 4338.01;

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$ · where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2** · providing a level of confidence of approximately **95 %** ·

No.	Item	Uncertainty
1	All emissions,radiated(<30M)(9KHz-30MHz)	±2.45dB
2	Temperature	±0.5°C
3	Humidity	±2%

1.3 GENERAL DESCRIPTION OF EUT

Product Name	Three-in-one wireless charging
Trade Name	N/A
Model Name	YZC300-1
Series Model	YZC300-2, YZC300-3, YZC300-4, YZC300-5, YZC300-6
Model Difference	Only different in colors and model name.
Equipemnt Category	Non-ISM frequency
Operating frequency	110-205KHz
Modulation Type	Load modulation
Power Adapter	Power supply and ADP(rating): Input: AC100-240V, 500mA, 50/60Hz Outout: DC9V, 1500mA
Hardware version number	V.1.2
Software version number	Checksum:OX44F3B4

Note:

1. For a more detailed features description, please refer to the manufacturer’s specifications or the User’s Manual.
2. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	N/A	YZC300-1	Coil	NA	Antenna

The EUT antenna is Coil Antenna. No antenna other than that furnished by the responsible party shall be used with the device.



1.4 EQUIPMENTS LIST FOR ALL TEST ITEMS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
EMF Meter	NARDA	ELT-400	N-0342	2017.10.23	2018.10.22
EMF probe	NARDA	B-Field Probe	M-0779	2017.10.23	2018.10.22
Broadband field meter NARDA NBM	550	Broadband field meter NARDA NBM	E-1275	2017.10.23	2018.10.22
Broadband field probe NARDA EF	0391	Broadband field probe NARDA EF	D-0894	2017.10.23	2018.10.22



2. MAXIMUM PERMISSIBLE EXPOSURE

2.1 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03

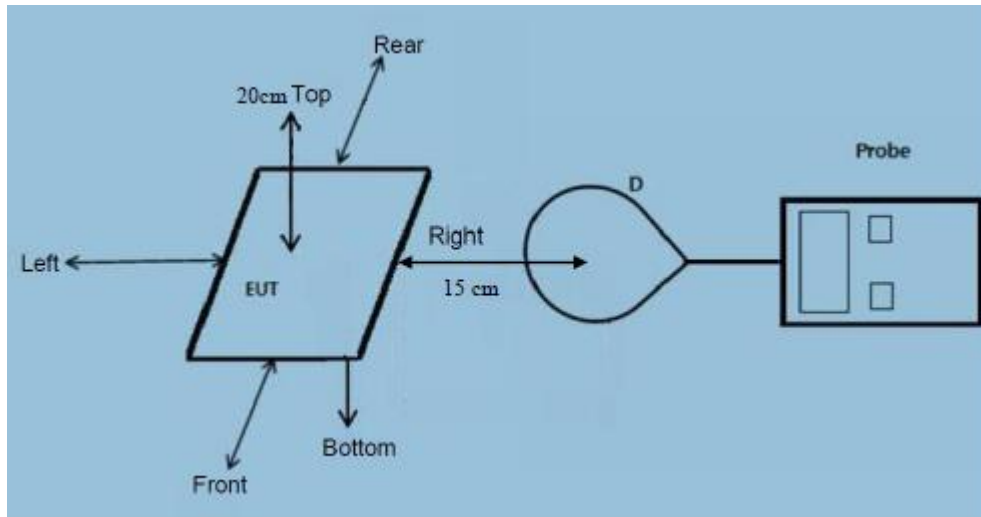
Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: 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 .

2.2 TEST PROCEDURE

- a. For devices designed for typical desktop applications, such as wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm (Top) and 15 cm (Edge). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 20 cm (Top) and 15 cm (Edge) measured from the center of the probe(s) to the edge of the device.

2.3 TEST SETUP



2.4 Test results

The EUT does comply with item 5 KDB680106 D01 v03.

- (1) Power transfer frequency is less than 1 MHz.
(Conform)
- (2) Output power from each primary coil is less than or equal to 15 watts.
(Conform)
- (3) 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.
(Conform)
- (4) Client device is placed directly in contact with the transmitter.
(Conform)
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
(Conform)
- (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.
(Conform)



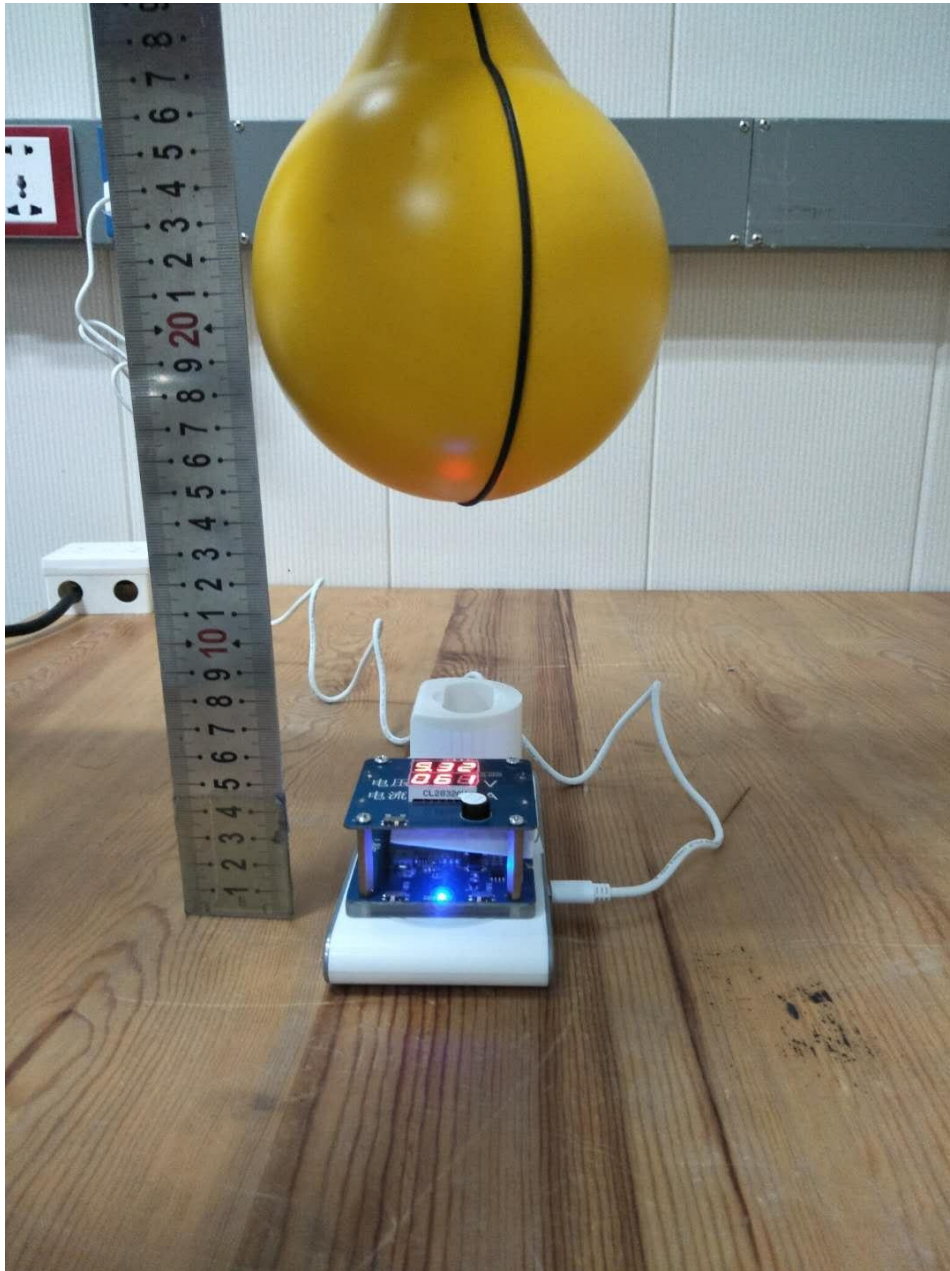
2.5 MAXIMUM PERMISSIBLE EXPOSURE

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
< 1% Battery	15cm	Front	0.458	0.116
< 1% Battery	15cm	Rear	0.435	0.118
< 1% Battery	15cm	Left	0.437	0.123
< 1% Battery	15cm	Right	0.446	0.125
< 1% Battery	20cm	Top	0.460	0.130
Limit			614	1.63
Margin Limit (%)			0.07%	7.98%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
50% Battery	15cm	Front	0.454	0.125
50% Battery	15cm	Rear	0.439	0.110
50% Battery	15cm	Left	0.438	0.127
50% Battery	15cm	Right	0.445	0.126
50% Battery	20cm	Top	0.463	0.133
Limit			614	1.63
Margin Limit (%)			0.08%	8.16%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
>99% Battery	15cm	Front	0.455	0.120
>99% Battery	15cm	Rear	0.435	0.116
>99% Battery	15cm	Left	0.432	0.121
>99% Battery	15cm	Right	0.448	0.125
>99% Battery	20cm	Top	0.459	0.128
Limit			614	1.63
Margin Limit (%)			0.07%	7.85%

MPE SETUP PHOTO



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