

Address

 Report No.: 18220WC10071102
 FCC ID: 2AXQK-FT06
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FCC TEST REPORT

Client Name : shenzhenshishuangsikejiyouxiangongsi Address : changchunzhonglu33hao101 gongmingshequ

shenzhenshiguangmingou(qu)gongmingjiedaoShenzhen

Product Name : wireless charger

Date : May 19, 2021



Shenzhen Anbotek Compliance Laboratory Limited

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TEST REPORT

Applicant	shenzhenshishuangsikejiyouxiangongsi
Manufacturer	: shenzhenshishuangsikejiyouxiangongsi
Product Name	: wireless charger
Model No.	: FT06-E
Trade Mark	: Torteco
Rating(s)	Input: DC 9V/3A, QC2.0, QC3.0 Wireless output: 5W, 7.5W, 10W

Test Standard(s)		FCC Part 1.1310, 1.1307(b)
Test Method(s)	:	KDB680106 D01 RF Exposure Wireless Charging Apps v03

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 1.1307 & KDB680106 D01 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Date of Test

Apr. 16, 2021 Apr. 17~30, 2021 Fla Jama

Prepared By

Approved & Authorized Signer

(Ella Liang)

(Kingkong Jin)

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1. General Information

1.1. Client Information

Applicant	: shenzhenshishuangsikejiyouxiangongsi
Address	changchunzhonglu33hao101 gongmingshequ shenzhenshiguangmingou(qu)gongmingjiedaoShenzhen
Manufacturer	: shenzhenshishuangsikejiyouxiangongsi
Address	changchunzhonglu33hao101 gongmingshequ shenzhenshiguangmingou(qu)gongmingjiedaoShenzhen
Factory	: Shenzhen Mayways Electronics (China) Limited
Address	Building B1 Floor 4,5 14 Shenzhen, Guangdong Province Shajing Street Jian Road

1.2. Description of Device (EUT)

Product Name	:	wireless charger	Anboten Anbe hotek Anbotek Anbote
Model No.	:	FT06-E	Anborek Anborek Anborek Anborek
Trade Mark	:	Torteco	Anborek Anborek Anborek Anborek
Test Power Supply	•	AC 120V, 60Hz for adapter	Lotek Anbotek Anbotek Anbo
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(I	Engineering Sample)
		Operation Frequency:	111-205KHz
Product		Modulation Type:	FSK hotek hitoriek hitoriek hito
Description	•	Antenna Type:	Inductive loop coil Antenna
		Antenna Gain(Peak):	0 dBi

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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1.3. Auxiliary Equipment Used During Test

Adapter	:	QC3.0 M/N: A2013 Input: AC 100-240V, 0.7A, 50-60Hz Output: 3.6-6.5V=3A / 6.5-9V=2A / 9-12V=1.5A
Wireless charging	:	Manufacturer: Shenzhen Ouju Technology Co., Ltd.
load		M/N: CD2577
		Power: 5W/7.5W/10W/15W
		Last Cal.: Oct. 26, 2020
		Cal. Interval: 1 Year

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
pot9	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	3 Year
2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2020	3 Year
3,00	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2020	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	Anbotek	Anbour An	nbotek A
		Ur = 3.8 dB (Vertical)			Anbotek
		Anboit An An An	Anboter	And hotek	Anbotek
Conduction Uncertainty	:	Uc = 3.4 dB	sk Anbe	Her Ann hotel	Anbotek

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1.6. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, September 30, 2020.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A, September 30, 2020.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited. 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. 518102

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2. Measurement and Result

2.1. Requirements

According to the item 5.b) of KDB 680106 D01v03:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

1) Power transfer frequency is less that 1 MHz

2) Output power from each primary coil is less than or equal to 15 watts.

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

4) Client device is inserted in or placed directly in contact with the transmitter

5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)

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.

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 Exposures									
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					
300-1500	/	/	f/300	6					
1500-100,000	/	1	5	6					
	(D) Limite for Conora	Dopulation/Uncontrolle							

Limits For Maximum Permissible Exposure (MPE)

1500-100,000	1	1	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	1	1	f/1500	30					
1500-100,000	1	1	1.0	30					

F=frequency in MHz

*=Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

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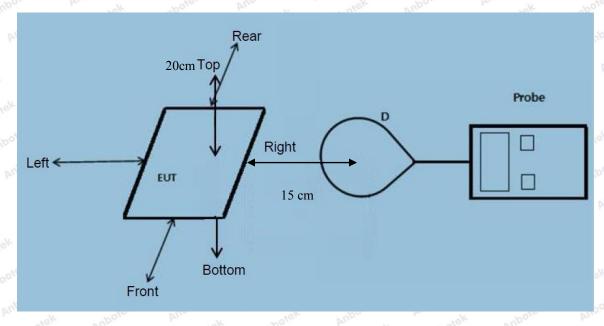
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2.2. Test Setup



Note: Measurements should be made at 15 cm surrounding the EUT and 20cm above the top surface of the EUT.

2.3. Test Procedure

1) The RF exposure test was performed in anechoic chamber.

2) The measurement probe was placed at required test distance 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.(A is the right, B is the back, C is the left, D is the front, and E is the top.) 4) The EUT was measured according to the dictates of KDB 680106 D01 v03.

Remark;

The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

2.4. Test Result

2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v03.

- 1) Power transfer frequency is less that 1 MHz
- The device operate in the frequency range 111-205KHz.
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 10W.

3) The transfer system includes only single primary and secondary coils. This includes charging systems
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that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils

- The transfer system including a charging system with only single primary coils is to detect and allow only between individual pairs of coils.

- 4) Client device is inserted in or placed directly in contact with the transmitter
- Client device is placed directly in contact with the transmitter.
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)The EUT is a Mobile exposure conditions

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.
Conducted the measurement with the required distance and the test results please refer to the section 2.4.

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2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310

Temperature:	22.5°C	Relative Humidity:	49 %
Pressure:	1012 hPa	Test Voltage:	AC 120V, 60Hz for adapter

TWO Loaded Mode

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery power	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
1%	111-205	0.34	0.45	0.37	0.41	0.53	307	614
50%	111-205	1.42	1.88	1.35	^{ok} 1.50 m ^b	1.65	307	614
99%	111-205	2.48	2.87	2.47	2.42	2.88	307	614
Stand-by	111-205	0.38	0.53	0.38	0.36	0.50	307	614

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Battery power	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
1%	111-205	0.028	0.050	0.056	0.040	0.050	0.815	1.63
botek P	Anbotek	Anboten	Anbutek	Anbotek	Anbon	otek An	potek Ant	otek
50%	111-205	0.38	0.47	0.37	0.37	0.54	0.815	1.63
ek Aupc	tek Anbot	otek Ar	ibotek	enbotek botek	Anborek	Anbotek	Anbote K Anbote	Ann
99%	111-205	0.46	0.64	0.53	0.35	0.34	0.815	1.63
Anboren	Andshotek	Anbotek	Anbor	Jek of	potek I	nboten	und hotek	Anbotek
Stand-by	111-205	0.51	0.33	0.43	0.55	0.41	0.815	1.63

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Note: The transfer system includes five coils, but only supports two coil output when working.

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E-Fie	eld Strength at	15 cm surr		oil Loaded e EUT and		e the top s	urface of the E	EUT
Battery power	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
otek Anb	otek Anbo	dek	nbotek	Anbore	Annobotek	Anbote	Anbo	ek na
1%	111-205	0.35	0.42	0.36	0.40	0.52	307	614
hotek	Anbotek	Anbo	nbotek	Anbore	Ann	otek p	nboten An	otek
Anthotek	Anbotek	Anbo	nbot	sk Aupo	ne An	botek	Anbotek	Anbo
50%	111-205	1.41	1.84	1.34	1.51	1.64	307	614
Anu no	tek Anboth	Anbi	-tek h.	abotek	Anbore	Anthotek	Anbotek	Anbo
ster Ann	botek Ant	otek A	ibo stek	Anbotek	Anbore	K An	rek Anbote	Ant
99%	111-205	2.45	2.85	2.43	2.40	2.81	307	614
Anbote	Anubotek	Anbotek	Anbo	F	lek Anb	ofo. A	hotek	nbotek
Anbote	Andhotek	Anbotek	Anbo	rek n	potek I	inbote	Anshotek	Anbotek
Stand-by	111-205	0.34	0.51	0.34	0.39	0.51	307	614
ek Anbo	And And	otek Ar	potek P	nbor	abotek	Anboter	Any hote	Anb
Jek 10	poro Ann	Ne	hotek	Anbo	pr.	- abo	PUP.	No

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Battery power	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
tek anb	ptek Aupo.	rek by	botek	Anboro	Andwotek	Anbotek	Aupo	14- 14-
1%	111-205	0.021	0.051	0.052	0.041	0.056	0.815	1.63
bo hotek		Anbore		Anboten	Anbo	otek an	potek Ant	orc .eK
Anbewotek	Anbotek	Anboursek	put abot	ek Anbo	len Pu	hotek	Anbotek	inbo
50%	111-205	0.30	0.43	0.37	0.35	0.54	0.815	1.63
Ano		Anbo		abotek	Anboten	And	Anbotek	Anbr
Ant	hotek Ant	otek pr	ibo.	abotek	Anbore	K hot	k Anbote	P.
99%	111-205	0.41	0.62	0.50	0.34	0.39	0.815	1.63
Anboten		Anbotek		K sbot	ek Anb	oten Ant	Lotek p	nbotek
Anboten	Anbo	Anbotek	Aupor	stell so	potek I	nboten	und hotek	Anbotek
Stand-by	111-205	0.52	0.30	0.40	0.50	0.42	0.815	1.63
K Anbo		tek po		inbois	All hotek	Anboten	Ano	

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

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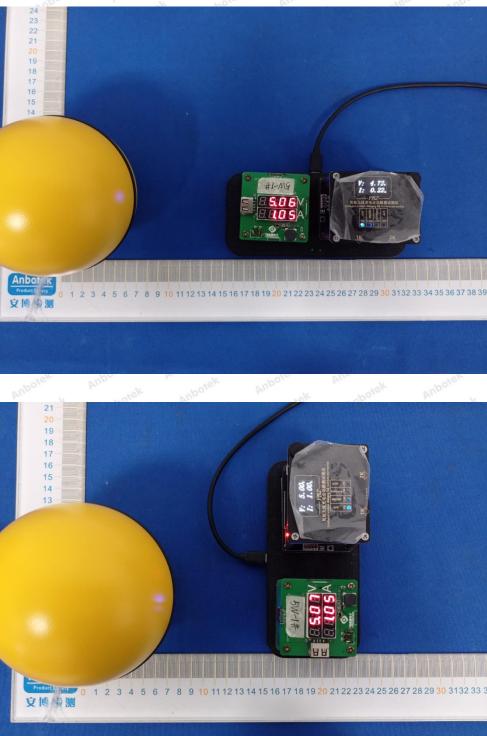


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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement TWO Loaded



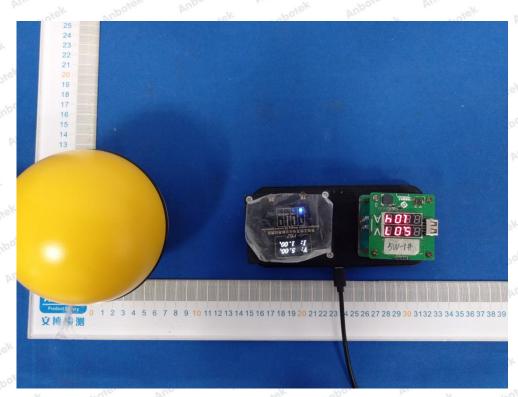
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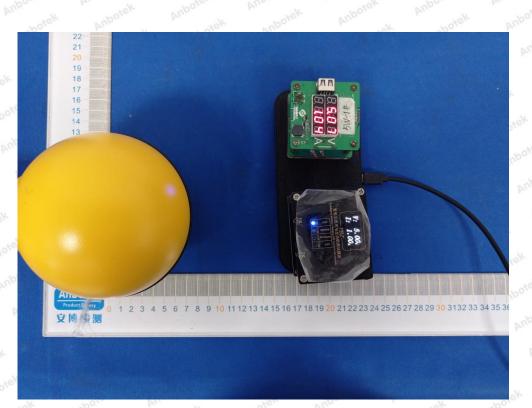
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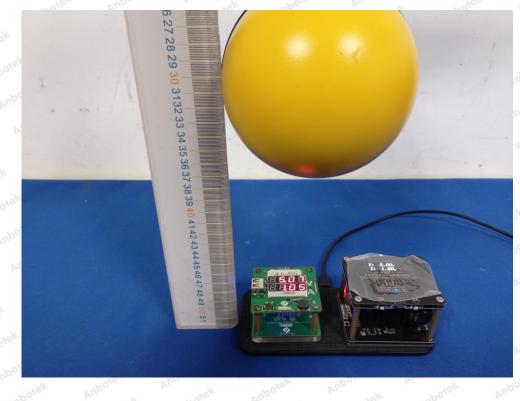
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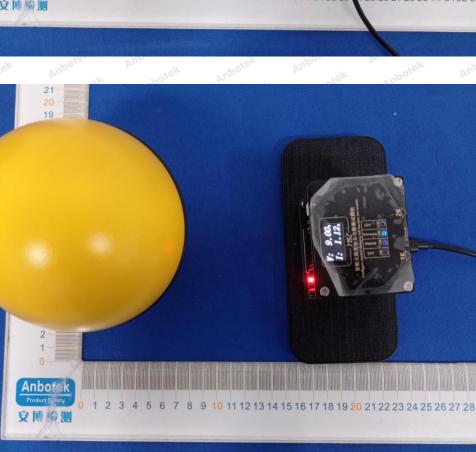
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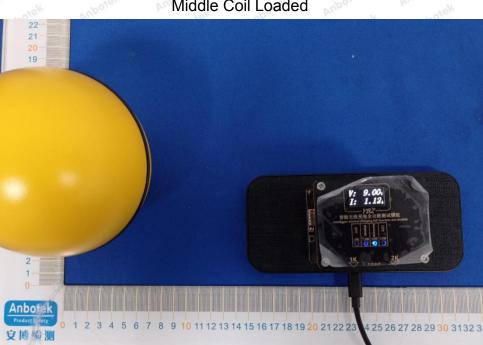


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Middle Coil Loaded

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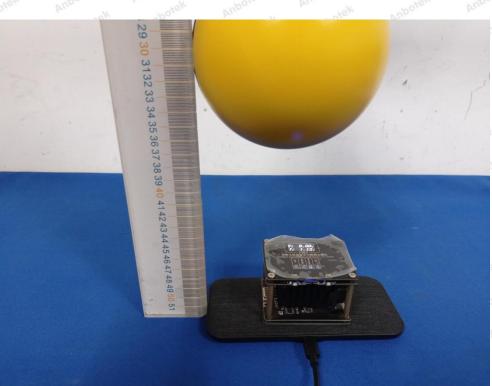


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