

Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 1 of 14

FCC TEST REPORT

Client Name : JMTek Industries(Shenzhen) Co., Ltd

14G, Innovation Tech Building, Quanzhi Science and

Address : Technology innovation Park, ShaJing Street, Bao'an

District, ShenZhen, China

Product Name : Wireless Charger

Date : Jul. 29, 2021

Shenzhen Anbotek Compliance Laboratory Limited
*Approved**



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 2 of 14

Contents

1. General Information					
1.1. Client Information		Vun.	, otok	Anbo,	
1.2. Description of Device (EUT)	Hoolek	Anbo,			Anu
1.3. Auxiliary Equipment Used During Tes	st	anbote	Anv		otek D
1.4. Test Equipment List					worek
1.5. Measurement Uncertainty	Anbo		watek bi	ipole. P	
1.6. Description of Test Facility	4916	pole. P		botek	Anbo
2. Measurement and Result		botek	Anbo		Anbore
2.1. Requirements	Word Control		Anbore	- Maria	
2.2. Test Setup	Anbore			Anbr	
2.3. Test Procedure	<i>kepoten</i>	Ambe		ek Anbo	
2.4. Test Result		Anbo			oboten
ADDENINIY I TEST SETLID DHOTOGRADH	Dill				stek 1



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 3 of 14

TEST REPORT

Applicant : JMTek Industries(Shenzhen) Co., Ltd

Manufacturer : JMTek Industries(Shenzhen) Co., Ltd

Product Name : Wireless Charger

Model No. : WPC100, WPC200, WPC300, WPC400

Trade Mark : N.A

Rating(s) : Input: 5V==2A, 9V==2A

Output:5V==1A(5W), 9V==1.1A(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	Jul. 07, 2021
Date of Test	Jul. 07~20, 2021
	Ella Liang
Prepared By	otek Anborek Janbo
Anbotek Anbotek Anbotek Anbotek Anbotek	(Ella Liang)
Approved & Authorized Signer	Lingkonggin
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Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 4 of 14

1. General Information

1.1. Client Information

Applicant	: JMTek Industries(Shenzhen) Co., Ltd
Address	14G, Innovation Tech Building, Quanzhi Science and Technology innovati Park, ShaJing Street, Bao'an District, ShenZhen, China
Manufacturer	: JMTek Industries(Shenzhen) Co., Ltd
Address	14G, Innovation Tech Building, Quanzhi Science and Technology innovati Park, ShaJing Street, Bao'an District, ShenZhen, China
Factory	: JMTek Industries(Shenzhen) Co., Ltd
Address	14G, Innovation Tech Building, Quanzhi Science and Technology innovati Park, ShaJing Street, Bao'an District, ShenZhen, China

1.2. Description of Device (EUT)

Product Name	:	Wireless Charger	
Model No.	:	WPC100, WPC200, WPC3 (Note: All samples are th "WPC100" for test only.)	00, WPC400 e same except the appearance, so we prepare
Trade Mark	:	N.A	stek Anbotek Anbotek Anbotek An
Test Power Supply	:	AC 120V, 60Hz/ AC 240V, 6	60Hz
Test Sample No.	:	1-2-1(Normal Sample), 1-2	-2(Engineering Sample)
		Operation Frequency:	110.1-205KHz
Product		Modulation Type:	FSK Anborek Anborek
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.



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 5 of 14

1.3. Auxiliary Equipment Used During Test

Adapter	:	M/N: A2023
		Input: AC 100-240V 0.7A 50-60Hz
		USB1 Output: DC 5V 2.4A
ye.		USB1 Output: DC 5V 2.4A
Wireless charging	:	Manufacturer: Shenzhen Ouju Technology Co., Ltd.
load		M/N: CD2531
		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
anb brek	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	3 Year
2,00	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2020	3 Year
3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2020	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	Anbotek	Anbore An aborek
		Ur = 3.8 dB (Vertical)	Anbotek	Anbo. A. Anborek
		tek Anbore And borek	Anborek	Anbo otek Anbo
Conduction Uncertainty	:	Uc = 3.4 dB	K Anboti	Anto Anto



FCC ID:2APU5-WPC100A Report No.: 18220WC10153702 Page 6 of 14

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

Code: AB-RF-05-a



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A

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
- 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.

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 Occ	cupational/Controlled Ex	posures	:
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	1	I	f/300	6
1500-100,000	I	1	5	6
	(B) Limits for Genera	l Population/Uncontrolle	ed 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
300-1500	I	1	f/1500	30
1500-100,000	1	1	1.0	30

F=frequency in MHz

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).



Code: AB-RF-05-a

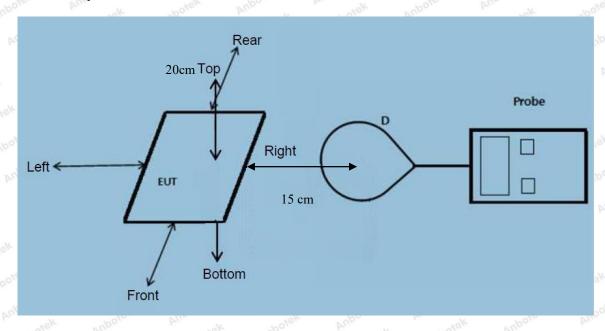
400-003-0500 www.anbotek.com

⁼Plane-wave equivalent power density



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 8 of 14

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;

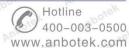
The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

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 110.1-205KHz.
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 10W.

Shenzhen Anbotek Compliance Laboratory Limited

Code: AB-RF-05-a





FCC ID:2APU5-WPC100A Report No.: 18220WC10153702 Page 9 of 14

- 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
- 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.

Code: AB-RF-05-a



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 10 of 14

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

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

	- N- 101	DA		201	100		- WD	Par.
stek Anb	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	Anbo A	Botek	Cipotes	D ^{Anto}	otek E	(V/m)	(V/m)
Anapotek	Aupoles	Anb	Anbore	Anbe	rek bu	abotek	Aupoter	Anbunotek
1%	110.1-205	0.35	0.44	0.39	0.40	0.52	307	614
ek Pir.	tek Anbore	The Andre	York	Inpotek	Aupora	Air	Anboten	Anbo
rek bu	botek Ant	oter Ar	rotek	Anbotek	Aupo.	k bi	tek Anbore	-K by
50%	110.1-205	1.36	1.80	1.29	1.42	1.59	307	614
Anbore	An	Anbotek	Anbo	e anboi	ek Aup	ore V	abotek	upotek
Anborn	pinapotek	Aupoten	Y AUG	otek ar	potek 1	upo,	Are abotek	Anbores
99%	110.1-205	2.48	2.88	2.49	2.44	2.90	307	614
ak Anbor	ek Am	otek An	potek p	inpo	anbotek	Anbore	ek Ans	E An
otek An	DOL NEK	obořek	Anboten	Aug. Potek	Anbotel	Aupo	*6k	rek
Stand-by	110.1-205	0.42	0.57	0.41	0.40	0.54	307	614
Anbotek	Anbore	An	Anbote	Anbo	otek v	hotek	Aupore b	hotek



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 11 of 14

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

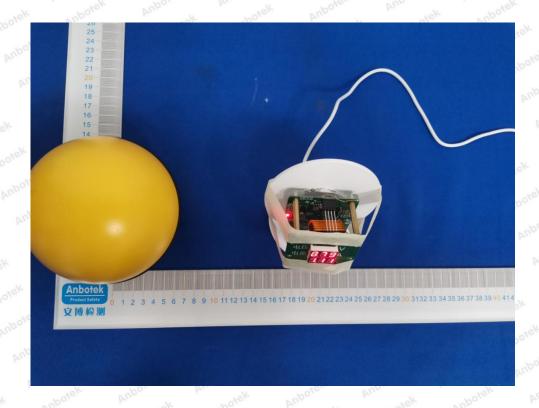
		A. A. A. V.	200	250			47.7	
Pottony	Frequency	Test	Test	Test	Test 📈	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	otek B Ar	C P	D	AntErek	(A/m)	(A/m)
ek Anb	Pupo, Vupo,	tek by	obotek	Aupole.	And	Anborek	Vupo.	/r
1%	110.1-205	0.027	0.049	0.055	0.039	0.049	0.815	1.63
hotek		Anbore		Anboter	ak Anba	otek Ar	potek Ant	orek
Ann	Anbotek	Anbo	nbot	ek Anbo	le An	botek	Anbotek	inpo otel
50%	110.1-205	0.32	0.41	0.31	0.31	0.48	0.815	1.63
K MC	tek Anbote	k Aupo	Tek by	nbotek	Anbote.	Aug	Anbotek	Anb
Vak Viun	botek Ant	otek A	loo stek	nbotek	Anbore	k Pur	k Anbote	b.
99%	110.1-205	0.53	0.71	0.60	0.42	0.41	0.815	1.63
iupoter r		Anbotek		k Wpo,	ek Anb	Ofer YU,	Lotek D	upotek
Anboten	Ana	Anbotek	Aupor	rek -n	potek p	'uposer	Pur Potek	Anborel
Stand-by	110.1-205	0.54	0.36	0.46	0.58	0.44	0.815	1.63
K Anbol		rek o	potek	inpor-	bi. Potek	Anboten	Amba	

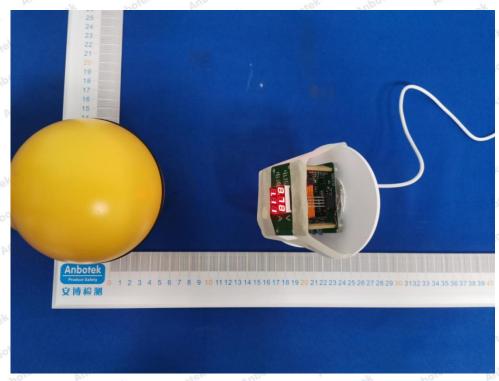


Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 12 of 14

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

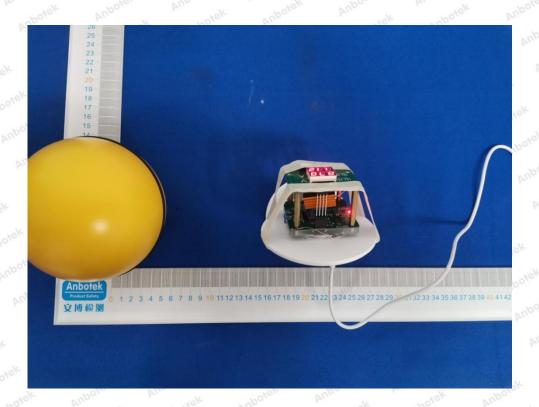


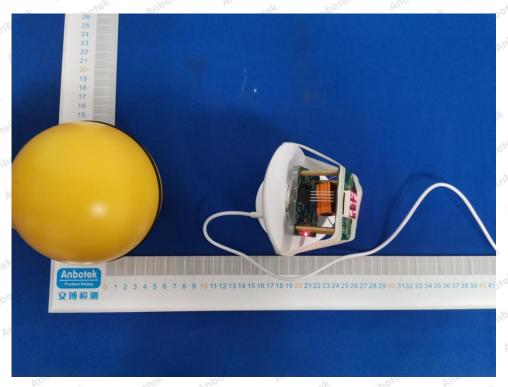


Shenzhen Anbotek Compliance Laboratory Limited



Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 13 of 14

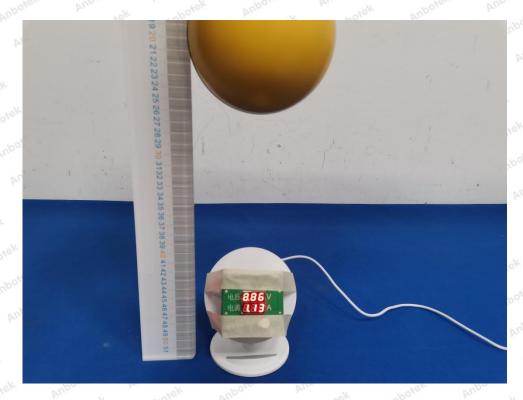




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Report No.: 18220WC10153702 FCC ID:2APU5-WPC100A Page 14 of 14



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