

Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 1 of 13

FCC TEST REPORT

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

14G, Innovation Tech Building, Quanzhi Science and

Address : Technology innovation Park, ShaJing Street, Baoan

District, ShenZhen, China

Product Name : Wireless Charger

Date : May 11, 2022





Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 2 of 13

Contents

1. General Information	And a			- Po-	''موہینام
1.1. Client Information	bote	Vun	٥مير	tek anbo	
1.2. Description of Device (EUT)	. Ye	Anbo.	b.,	uotek pi	bote. An
1.3. Auxiliary Equipment Used Durin	ng Test	rek pot	loge, M		vijotek
1.4. Test Equipment List	oose, Vun		.nbotek	Anbo.	100
1.5. Measurement Uncertainty	botek	upo.	w.	Anbore	Vu.
1.6. Description of Test Facility	n.	Anbore.	Ann	, abotek	Ambu
2. Measurement and Result	Aur	unbotek	Anbo		lek Aupore
2.1. Requirements	Anbo		k Vilpo,		
2.2. Test Setup	k Vupose	by.		poten An	,0°
2.3. Test Procedure	°dr.,	Key Wup		dotek	Anbor
2.4. Test Result	, , , , , , , , , , , , , , , , , , ,	watek A	upore	br.	unboten
APPENDIX I TEST SETUP PHOTOGR	RΔPH				otek



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 3 of 13

TEST REPORT

Applicant : JMTek Industries(Shenzhen) Co., Ltd

Manufacturer : JMTek Industries(Shenzhen) Co., Ltd

Product Name : Wireless Charger

Model No. : WPC200 Qi, WPC100 Qi, WPC300 Qi, WPC400 Qi

Trade Mark : N.A.

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

Wireless Output: DC 5V/1A 5W, DC 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	Apr. 14, 2022
Date of Test	Apr. 14~22, 2022
nbotek Anbotek Anbotek Anb	Nian xiu Chen
Prepared By	stek anbore Arr ok botek Anbe
	(Nianxiu Chen)
	Antorek Antorek Antorek Antorek Antorek
Approved & Authorized Signer	(ingkonffin
	(Kingkong Jin)



Report No.: 18220WC20078902

1. General Information

1.1. Client Information

Applicant	: .	JMTek Industries(Shenzhen) Co., Ltd
Address		14G, Innovation Tech Building, Quanzhi Science and Technology innovation Park, ShaJing Street, Baoan District, ShenZhen, China
Manufacturer	: 0	JMTek Industries(Shenzhen) Co., Ltd
Address		14G, Innovation Tech Building, Quanzhi Science and Technology innovation Park, ShaJing Street, Baoan District, ShenZhen, China
Factory	: (%	JMTek Industries(Shenzhen) Co., Ltd
Address		14G, Innovation Tech Building, Quanzhi Science and Technology innovation Park, ShaJing Street, Baoan District, ShenZhen, China

1.2. Description of Device (EUT)

Product Name	:	Wireless Charger	Anbotek Anbotek Anbotek Anbote						
Model No.	:	WPC200 Qi, WPC100 Qi, WP (Note: All samples are the sam so we prepare "WPC200 Qi" f	me except the model number and appearance,						
Trade Mark	:	N.A.	abore Anborek Anborek Anborek						
Test Power Supply	:	AC 120V, 60Hz for adapter							
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(1-2-1(Normal Sample), 1-2-2(Engineering Sample)						
o .		Operation Frequency:	110.1-205KHz						
1	:	Modulation Type:	FSK ANDORES AND						
Product Description		Antenna Type:	Inductive loop coil Antenna						
Becompact		Antenna Gain(Peak):	0 dBi (Provided by customer)						
		Adapter:	N/Ambotek Anbotek Anbotek Anbotek						

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



Code: AB-RF-05-a





1.3. Auxiliary Equipment Used During Test

Adapter	i	Model: MDY-11-EX Input: 100-240V~50/60Hz, 07A Output: 5V=3A/ 9V=3A/ 12V=2.25A/ 20V=1.35A/ 11V=3A Max
Wireless charging load	:	Manufacturer: Shenzhen Ouju Technology Co., Ltd. M/N: CD2577 Power: 5W/7.5W/10W/15W
		Last Cal.: Oct. 26, 2021 Cal. Interval: 1 Year

1.4. Test Equipment List

Ite	m Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
nbote	Electric and Magr	NARDA	EHP-200A	180ZX10202	Nov. 12, 2021	1 Year

1.5. Measurement Uncertainty

1	Magnetic Field Reading(A/m)	:	+/-0.04282(A/m)	Anhotek	Anbotek	Anbo	Anbote
37	Electric Field Reading(V/m)	••	+/-0.03679(V/m)	anbotek	Aupor	pin-botek	Anic



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 6 of 13

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 registered 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.

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.

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



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 7 of 13

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.

Limits For Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	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	1	f/300	6
1500-100,000	1	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	1	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

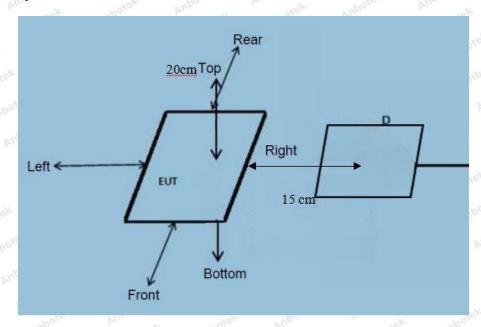
Hotline 400-003-0500 www.anbotek.com

^{*=}Plane-wave equivalent power density



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 8 of 13

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;

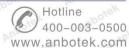
The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

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-WPC100QI-10W Report No.: 18220WC20078902 Page 9 of 13

- 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

www.anbotek.com



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 10 of 13

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

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%	110.1-205	0.368	0.468	0.388	0.468	0.578	307	614
50%	110.1-205	1.434	1.884	1.374	1.524	1.674	307	614
99%	110.1-205	2.479	2.869	2.489	2.509	2.909	307	614
Stand-by	110.1-205	0.421	0.561	0.431	0.461	0.501	307	614

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

-	1/0"		156.			La U	1201	750.	- CV
g	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%	110.1-205	0.078	0.055	0.048	0.066	0.052	0.815	1.63
10,000	50%	110.1-205	0.473	0.613	0.473	0.423	0.583	0.815	1.63
2	99%	110.1-205	0.479	0.629	0.569	0.309	0.329	0.815	1.63
S/K	Stand-by	110.1-205	0.273	0.333	0.393	0.233	0.423	0.815	1.63

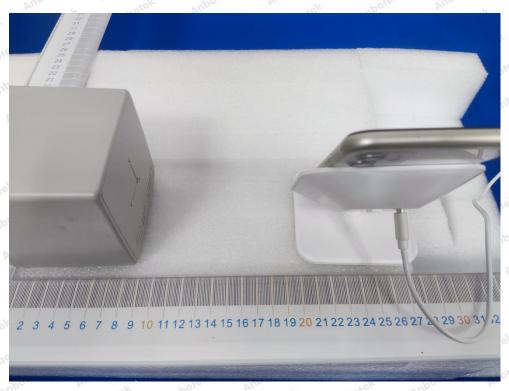


Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 11 of 13

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement



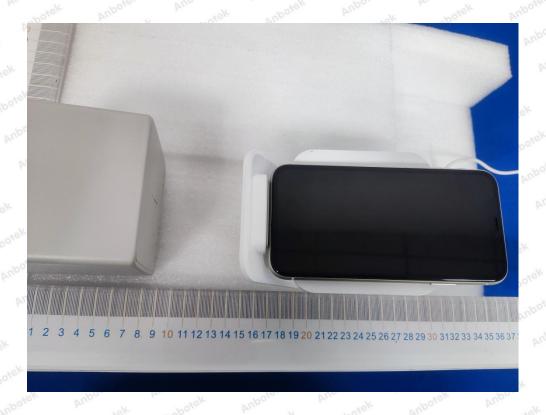


Shenzhen Anbotek Compliance Laboratory Limited

Code: AB-RF-05-a



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 12 of 13





Shenzhen Anbotek Compliance Laboratory Limited



Report No.: 18220WC20078902 FCC ID: 2APU5-WPC100QI-10W Page 13 of 13



----- End of Report -----

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Code:AB-RF-05-a

Hotline 400-003-0500 www.anbotek.com