

Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 1 of 12

FCC TEST REPORT

Client Name : Shenzhen Lingyi Innovation Tech Co., Ltd.

Address 12 F, Block C, Central Avenue Building, Xixiang BLVD

West, Baoan District, Shenzhen China

Product Name : Wireless Power Bank

Date : Jan. 13, 2021

Shenzhen Anbotek Compliance Laboratory Limited



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 2 of 12

Contents

1.	General Information	4
	1.1. Client Information	4
	1.2. Description of Device (EUT)	4
	1.3. Auxiliary Equipment Used During Test	5
	1.4. Test Equipment List	5
	1.5. Measurement Uncertainty	y5
	1.6. Description of Test Facility	6
2.	Measurement and Result	7
	2.1. Requirements	7
	2.2. Test Setup	8
	2.3. Test Procedure	8
	2.4. Test Result	8
	2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v03	8
	2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.130	7(b)
	1 1310	10



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 3 of 12

TEST REPORT

Applicant : Shenzhen Lingyi Innovation Tech Co., Ltd.

Manufacturer : Shenzhen Lingyi Innovation Tech Co., Ltd.

Product Name : Wireless Power Bank

Model No. : MJ2-01

Trade Mark : SPITAKA

Type-C Input: DC 5V, 1.5A Type-C Output: DC 5V, 1.5A

Rating(s) : Type-O Guput: 500 6

Battery: 3.7V / 2800mAh / 10.36Wh

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	Dec. 24, 2020
Date of Test	Dec. 24, 2020~Jan. 06, 2021
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	King Kong Jin
Approved & Authorized Signer	hotek Jupole atek autore
Anboten Anbotek Anbote	(Manager / Kingkong Jin)

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Code: AB-RF-05-a





Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 4 of 12

1. General Information

1.1. Client Information

Applicant	: Shenzhen Lingyi Innovation Tech Co., Ltd.
Address	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District, Shenzhen China
Manufacturer	: Shenzhen Lingyi Innovation Tech Co., Ltd.
Address	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District, Shenzhen China
Factory	: Shenzhen Lingyi Innovation Tech Co., Ltd.
Address	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District, Shenzhen China

1.2. Description of Device (EUT)

Product Name	:	Wireless Power Bank	k Anbotek Anbotek Anbotek Anbote						
Model No.	:	MJ2-01	otek Anborek Anbotek Anboten Ant						
Trade Mark	:	♦ PITAKA	Inboto Ambotek Anbotek Anbotek						
Test Power Supply	:	AC 120V, 60Hz for adapter/ DC 3.7V battery inside							
Test Sample No.	:	1-2-1(Normal Sample), 1-2	-1(Engineering Sample)						
		Operation Frequency:	110.1-205KHz						
Product		Modulation Type:	QI Anbotek Anbotek Anbotek						
Description		Antenna Type:	Inductive loop coil Antenna						
		Antenna Gain(Peak):	0 dBi dorek Anborek Anborek						

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

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Hotline 400-003-0500 www.anbotek.com



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 5 of 12

1.3. Auxiliary Equipment Used During Test

NI/A	
IN/A : notek Anbor Anbor Anbore Anv	Arra

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
760.	Magnetic field meter	. No.	ELT-400	423623	Dec. 24, 2018	3/0.
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 (Horizont	al)	rak at	jotek Ar	botek
		Ur = 3.8 dB (Vertical)	otek Anb	o. W.	abotek	Anbote.
		Aug Potek	hpotek	inbo.	Anbotek	Anbore
Conduction Uncertainty	:	Uc = 3.4 dB	Anbotek	Anbo	Anbotek	Anbor



Report No.: 18220WC00194602 Page 6 of 12 FCC ID: 2ARI5-MJ2-01

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.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 7 of 12

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	I	1	f/300	6
1500-100,000	1	1	5	6
	(B) Limits for Genera	l Population/Uncontrolle	d 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	I	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).

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Code:AB-RF-05-a

Hotline

Hotline 400-003-0500 www.anbotek.com

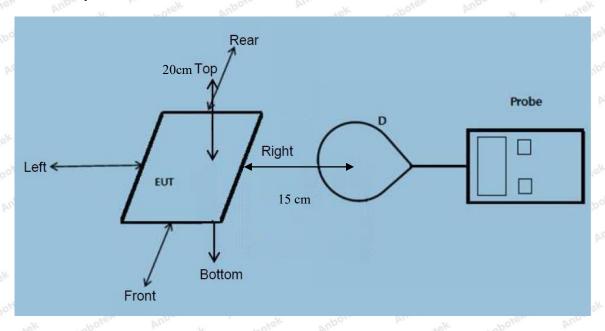
Fax: (86) 755-26014772

^{*=}Plane-wave equivalent power density



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 8 of 12

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.

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 5W.

Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-a





Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 9 of 12

- 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 Power Pack with Wireless Charger
- 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 2.4.2

Code: AB-RF-05-a



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 10 of 12

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

Temperature:	23.3° C	Relative Humidity:	54%
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)
Anbore	rak Pur	ek Anb	oten bu	po tek	Anbotek	Aupor	k spotek	Anb
1%	110.1~205	0.67	0.07	-0.06	0.26	0.57	307	614
Anbotek	Aupore	abotek	Aupoten	r bus	atek An	potek	"Upon by	abotek
50%	110.1~205	1.68	1.91	0.76	1.27	1.57	307	614
ak anbo	tek Yupor	rak bu	borek	Anborek	Anbo	Anbote	Anbore	SK BUT
99%	110.1~205	2.58	2.34	2.44	2.47	2.55	307	614
-otek		Anbore	Arrabotek	Anboyer	Anbe	orek o	abotek Ani	ore
Anstok	Anborek	Aupora	par nboti	K Anbo	le Vu	hotek	Anbotek	Vupo.
Stand-by	110.1~205	0.83	0.14	1.08	0.82	0.21	307	614
v 10	ek Anbore	Ville	48K	aboten	AUDO	hotel	Anbore	Dire



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 11 of 12

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

	J	6.77		400			0.00	CAT
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
200	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	Α	otek B A	"pote C	Anb Dek	Entotek	(A/m)	(A/m)
iek Ant	otek Anbe	rek	nbotek	Anbore	Ann	Anbote	Aupo	iek bu
1%	110.1~205	0.15	0.68	0.66	0.41	0.29	0.815	1.63
botek	Anbotek	Aupo, rek	Air	Anbore	K Anti	notek A	nbotek Ar	po,
Ann	Anbotek	Aupo	r nbo	ick Aut	ole N	-potek	Anborek	Anbo. otel
50%	110.1~205	0.04	0.56	0.46	0.49	0.27	0.815	1.63
K Anu	stek Anbo	ek Aup	o. A	abotek	Anbore.	Anti	Anbotek	Anb
VK VILL	hotek Ar	potek F	upo,	Anbotek	Anbore	ok ho	rek Anbot	S.r. b
99%	110.1~205	0.45	0.81	0.50	0.18	0.32	0.815	1.63
Aupoten	Androsek	Anbotek	Anbore	ek vip	otek Ar	poter A	hotek.	Anbotek
Aupoten	Anamotek	Anbotel	Vupo.	rek	obotek	Anbore	Ann	Anborek
Stand-by	110.1~205	0.52	0.71	0.35	0.77	0.44	0.815	1.63
K Anbo	Yer Anbo	otek b	abotek	Anbor	Al. abotek	Anboten	Anb.	J.K



Report No.: 18220WC00194602 FCC ID: 2ARI5-MJ2-01 Page 12 of 12

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files for Test Setup Photos of the EUT.

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files for External Photos of the EUT.

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files for Internal Photos of the EUT.

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