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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 : Sept. 16, 2019

Shenzhen Anbotek Compliance Laboratory Limited

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

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TEST REPORT

Applicant	Shenzhen Lingyi Innovation Tech Co., Ltd.	
Manufacturer	Shenzhen Lingyi Innovation Tech Co., Ltd.	
Product Name	: Wireless Power Bank	
Model No.	: MJ1001	
Trade Mark	: N.A. Input: DC 5V, 1.5A	
Rating(s)	Output: DC 5V, 1.5A Wireless Output: 5W (with DC 3.7V, 2000 mAh Battery inside)	

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. 24, 2019 Date of Test Jul. 24~Spet. 04, 2019 compliance Anbotek Prepared By (Engineer / Dolly Mo) * Approved Snowy Meng Reviewer (Supervisor / Snowy Meng) Sally zhang Approved & Authorized Signer (Manager / Sally Zhang) Shenzhen Anbotek Compliance Laboratory Limited Code:AB-RF-05-a

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1. General Information

1.1. Client Information

°∕4	Applicant	:	Shenzhen Lingyi Innovation Tech Co., Ltd.
2 ⁰	Address	:	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District, Shenzhen, China
Þ,	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.
20	Address	:	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan District, Shenzhen, China

1.2. Description of Device (EUT)

:	Wireless Power Bank	k Anbotek Anbotek Anbotek Anbote
:	MJ1001	otek Anborek Anborek Anboren Anb
:	N.A.	unbortek Anbotek Anbotek Anbotek
:	AC 120V, 60Hz for adapter	Anbotek Anbotek Anbotek Anbotek Anbotek
:	1-2-1(Normal Sample), 1-2	2-1(Engineering Sample)
	Operation Frequency:	110.1-205KHz
	Modulation Type:	QI And Andrew Andrew Andrew
	Antenna Type:	Inductive loop coil Antenna
	Antenna Gain(Peak):	0 dBi
	:	 MJ1001 N.A. AC 120V, 60Hz for adapted 1-2-1(Normal Sample), 1-2 Operation Frequency: Modulation Type: Antenna Type:

or the User's Manual.

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1.3. Auxiliary Equipment Used During Test

Adapter	:	Manufacturer: Samsung	1001 stek	phi abotek	Anboren	And
		M/N: ETA-U90CBC	Anbo	,botek	Anbore	An
		S/N: RT6FB17ZS/B-E				Anbo
2000 - Contra 100		Input: 100-240V~ 50-60Hz, 0	.35A			ek Anb
,a		Output: DC 5V, 2A	et sab	otek Anbo	als pro-	hotek p

1.4. Test Equipment List

				10 A.D.	1.94	~0~	PT 10
lt	em	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	Anb	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	1 Year
6	2 🎙	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
oler	3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	22
		Ur = 3.8 dB (Vertical)	upo.
		andor tek Anbotek Anbotek Anbotek Anbotek	Anb
Conduction Uncertainty	:	Uc = 3.4 dB	3

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, 2018.

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, March 07, 2019.

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 Occ	upational/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

Limits For Maximum Permissible Exposure (MPE)

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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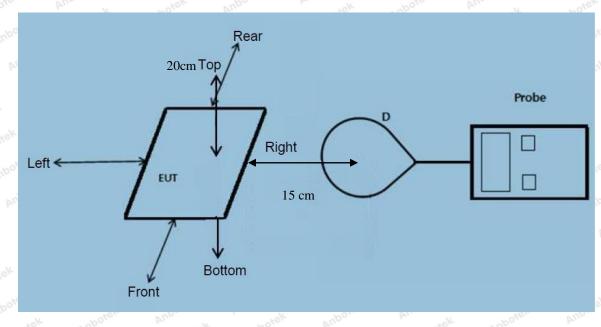
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2.2. Test Setup



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 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.

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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

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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:	23.8°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

nbo.	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	Anbote	B Anbo	С	mboteD	Anbote	(V/m)	(V/m)
Aupor	sek put	ek Anb	oter Ar	hotek	Anbotek	Anbois	k abotek	Anbo
1% M	110.1~205	0.40	0.35	0.27	0.34	0.93	307	614 📈
nbotek P	nbo' Ai	nbotek	Anboten	Andhotel	Anbot	ek Anb	or pr	botek
Anbotek	Anbo	nbotek	Anbore	Arra bi	stek An	potek I	inbo tek	nbotek
50%	110.1~205	1.62	1.29	1.31	1.26	1.53	307	614
Anbotek	Anbo	ek sobe	tek An	pote. P	nunotek	Anbotek	Anbo	A. nbote
ek Anbo	tek Anbo	stek n	nbotek	Anbore	An-botek	Anbote	Anbo	et ne
99%	110.1~205	2.24	2.10	2.12	2.35	2.09	307	614
hotek	Anbotek	Anbo, stek	Annbotek	Anbote	Anu	otek p	nbotek An	po.
Anobotek	Anbotek	Anbo	L. Anbore	K Anbo	le An	botek	Anboter	Anboutek
Stand-by	110.1~205	0.45	0.37	0.70	0.46	0.57	307	614
And ho	ek Anbote	k Aupo	stek	nbotek	Anboten	Anusbotek	Anbotek	Anbor

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Anbotek	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	otek B A	C	Dek	Eotek	(A/m)	(A/m)
sk Ant	otek Anbo	otek	nbotek	Anboro	Antobotek	Anbote	Anbo	lek h.
1%	110.1~205	0.047	0.042	0.055	0.039	0.057	0.815	1.63
hotek		Anbor		Anbote	Ano	hotek p	nbotek Ar	bo. stek
Ansbotek	Anbotek	Anbo	r nbo	rek Ant	Al No.	botek	Anbotek	Anbo
50%	110.1~205	0.23	0.54	0.40	0.38	0.48	0.815	1.63
K Ant	otek Anbot	ek Anb	otek h	anbotek	Anbore	Anthotek	Anbotek	An
An-	botek An	poter P	nbo	Anbotek	Anbore	ek sbo	rek Anbot	er.
99%	110.1~205	0.37	0.58	0.43	0.35	0.51	0.815	1.63
unbote.	Anshotek	Anbotek	Anbo	ek nb	stek Ar	pore Ar	hotek	Anbotek
Anboro	Amobotek	Anbotet	Anbo	otek	nbotek	Anbore	An	Anbote
Stand-by	110.1~205	0.19	0.15	0.27	0.34	0.30	0.815	1.63
Anbe		dek b	hotek	Anbo	botek	Anbote.	Anu	14-

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

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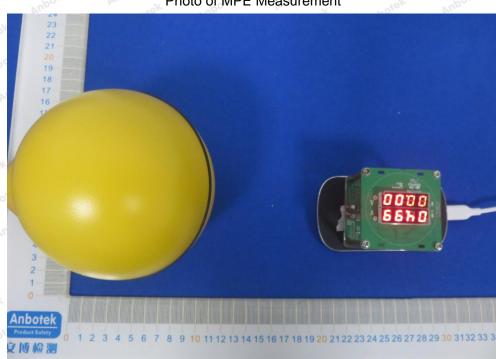


Photo of MPE Measurement

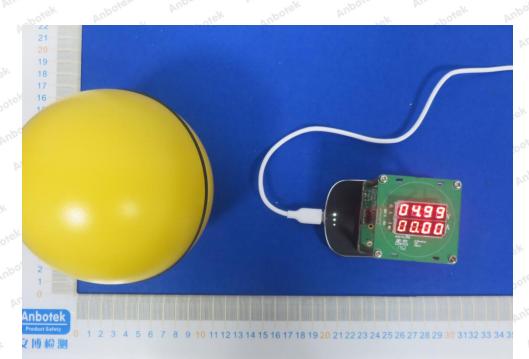
APPENDIX I -- TEST SETUP PHOTOGRAPH

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