

Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 1 of 11

FCC Test Report

Shenzhen Lingyi Innovation Tech Co., Ltd. **Applicant**

12 F, Block C, Central Avenue Building,

Xixiang BLVD West, Baoan District, **Address**

Shenzhen, China

MagEZ Charging Stand for Tablets Product Name

Report Date Aug. 16, 2023

Shenzhen Anbotek Continue



Laboratory Limited







Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 2 of 11

Contents

1.10	General Information	5
	1.1. Client Information	,05°×
	1.2. Description of Device (EUT)	5
	1.3. Auxiliary Equipment Used During Test	6
	1.4. Test Equipment List	6
	1.5. Measurement Uncertainty	6
	1.6. Description of Test Facility	a\.7
2. I	Measurement and Result	8
	2.1. Requirements	8
	2.2. Test Setup	9 0
	2.3. Test Procedure	9
	2.4. Test Result	9
AP	PENDIX I TEST SETUP PHOTOGRAPH	.11
AP	PENDIX II EXTERNAL PHOTOGRAPH	.11
ΑP	PENDIX III INTERNAL PHOTOGRAPH	.11





Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 3 of 11

TEST REPORT

Applicant : Shenzhen Lingyi Innovation Tech Co., Ltd.

Manufacturer : Shenzhen Lingyi Innovation Tech Co., Ltd.

Product Name : MagEZ Charging Stand for Tablets

Model No. : MCST1-01

Trade Mark : PITAKA

Rating(s) Input: 9V=3A;12V=3A;15V=3A Wireless Output: 5W/7.5W/10W/15W

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 Jun. 09, 2023

Date of Test Jun. 10~ Aug. 13, 2023

(Ella Liang)

Approved & Authorized Signer

(Kingkong Jin)



Prepared By





Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 4 of 11

Revision History

Report Version				Description			Issued Date		
R00			Original Issue.			Aug. 16, 2023			
abotek	Vupo,	bur	,otek	Aupole	YUP.	abotek	Aupo,	Pu.	
A. stek	anbote	VU	,	hotek	Anbo	A siek	Vupote.	Visco	





Report No.:18220WC30066902 Page 5 of 11

1. General Information

1.1. Client Information

Pre-	70,	VO. W. W. VO.
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	:	MagEZ Charging Stand for Tablets
Model No.	:	MCST1-01
Trade Mark	:	PITAKA Andread
Test Power Supply	:	AC 120V, 60Hz for adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/Aek Anbotek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	111~205kHz
Modulation Type	:	FSK Anborek Anborek Anborek
Antenna Type	:	Inductive loop coil Antenna
Antenna Gain(Peak)	:	0 dBi (Provided by customer)
, , , , , , , , , , , , , , , , , , ,	det	tailed features description, please refer to the manufacturer's specifications

or the User's Manual.







Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 6 of 11

1.3. Auxiliary Equipment Used During Test

Description	Rating(s)
Adapter	Model: MDY-11-EX
Anbo. Ak botek An	Input: 100-240V-0.7A, 50-60Hz
Anbore And Otek	USB-A output: 5V= 3A, 9V= 3A, 12V= 2.25A, 20V= 1.35A, 11V= 3A
Wireless charging load:	Manufacturer: Shenzhen Ouju Technology Co., Ltd.
ek shotek Anbore	M/N: CD2577
of Antorek Anborek	Power: 5W/7.5W/10W/15W

1.4. Test Equipment List

	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	Vier	Electric and	Anbo	sbotek Anb	Die Bur	otek Anbote	Ambo
3/4	1	Magnetic field	NARDA	EHP-200A	180ZX10202	Oct. 17, 2022	1 Year
3086	J.	Analyzer	anboten	AND	botek	Aupo, Air.	Lorek N

1.5. Measurement Uncertainty

Magnetic Field Reading(A/m)	:	+/-0.04282(A/m)	Anbotek	Anborek	Anboyek	Anbotek
Electric Field Reading(V/m)	:	+/-0.03679(V/m)	Anbo.	Anbotek	Aupoter.	Anbo





Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 7 of 11

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.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 8 of 11

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	t.						
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	o-						
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).



www.anbotek.com.cn

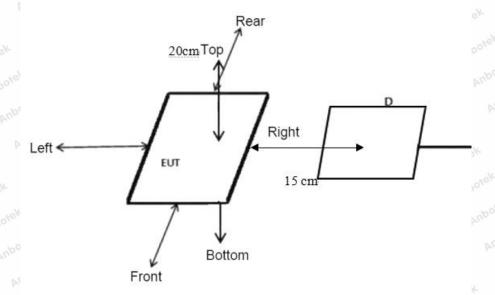


⁼Plane-wave equivalent power density



FCC ID: 2ARI5-MCST Report No.:18220WC30066902 Page 9

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 15W.
- 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

Code: AB-RF-05-b www.anbotek.com.cn





Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 10 of 1

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.

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%	111~205	0.273	0.363	0.313	0.323	0.443	307	614
50%	111~205	1.403	1.843	1.333	1.463	1.633	307	614
99%	111~205	2.480	2.880	2.490	2.440	2.900	307	614
Stand-by	111~205	0.428	0.578	0.418	0.408	0.548	307	614

H-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 (A/m)	Limits Test (A/m)
1%	111~205	0.029	0.051	0.057	0.041	0.051	0.815	1.63
50%	111~205	0.378	0.468	0.368	0.368	0.538	0.815	1.63
99%	111~205	0.516	0.696	0.586	0.406	0.396	0.815	1.63
Stand-by	111~205	0.555	0.375	0.475	0.595	0.455	0.815	1.63

Note: All the situation(full load, half load and empty load) has been tested, only the worst situation (full load 15W) was recorded in the report.

Code:AB-RF-05-b







Report No.:18220WC30066902 FCC ID: 2ARI5-MCST101 Page 11 of 11

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_MPE

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph



