



1 Cover Page

RF Exposure REPORT

Application No.: SHEM2003001531CR
FCC ID: 2ATA8-MWCC-01A
Applicant: Ningbo Medkinetic Medical Device Co., Ltd.
Address of Applicant: Lushan West Road 167-8, Ningbo Free Trade Zone(South), 315806 Ningbo
Manufacturer: Ningbo Medkinetic Medical Device Co., Ltd.
Address of Manufacturer: Lushan West Road 167-8, Ningbo Free Trade Zone(South), 315806 Ningbo
Factory: Ningbo Medkinetic Medical Device Co., Ltd.
Address of Factory: Lushan West Road 167-8, Ningbo Free Trade Zone(South), 315806 Ningbo
Equipment Under Test (EUT):
EUT Name: Wireless Charging Cradle
Model No.: MWCC-01A
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
KDB 680106
Date of Receipt: 2020-03-10
Date of Test: 2020-04-18 to 2020-04-23
Date of Issue: 2020-04-26

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Parlam Zhan

Parlam Zhan
E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center EMC Laboratory

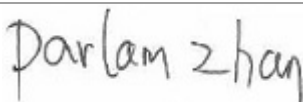
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Revision Record			
Version	Description	Date	Remark
00	Original	2020-04-26	/

Authorized for issue by:				
				
		Micheal Niu / Project Engineer		
				
		Parlam Zhan /Reviewer		



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3 General Information

3.1 General Description of E.U.T.

Power supply:	DC 5V/500mA by adapter
Test voltage:	AC 120V/60Hz
Output power	DC 5V/200mA
Operation frequency:	170 kHz
Antenna type:	Inductive Loop Coil Antenna
Modulation type:	Load modulation
Cable:	USB Cable 50cm



3.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai Branch

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.

Tel: +86 21 6191 5666

Fax: +86 21 6191 5678

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **NVLAP (LAB CODE: 201034-0)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

- **FCC (Designation Number: CN5033)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.



4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ST	N/A	SHEM078-2	2017-07-20	2020-07-21
2	Electromagnetic Field Probe	WANDEL & GOLTERMANN	EMR-20	SHEM0907	2020-04-09	2021-04-10

5 Test Result

5.1 RF Exposure Test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 15 cm for surrounding the device and 20 cm for above the top surface.

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 Occupational/Controlled Exposures				
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	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled 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	/	/	f/1500	30
1500-100,000	/	/	1.0	30
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).				

5.1.1 E.U.T. Operation

5.1.2 Operating Environment:

Temperature: 24.0 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

5.1.3 EUT Operation:

This device has been tested the worst status(AC input) of full load



5.2 RF Exposure Measurement Data

Electric Field Emissions					
Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	50% Limit (V/m)
Side 1	170KHz	15	9.26	614	307
Side 2	170KHz	15	9.11	614	307
Side 3	170KHz	15	9.83	614	307
Side 4	170KHz	15	9.39	614	307
Top	170KHz	20	8.55	614	307
Bottom	170KHz	15	9.34	614	307

Magnetic Field Emissions					
Test Position	Operating Frequency	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	50% Limit (A/m)
Side 1	170KHz	15	0.1256	1.63	0.815
Side 2	170KHz	15	0.1124	1.63	0.815
Side 3	170KHz	15	0.1035	1.63	0.815
Side 4	170KHz	15	0.1022	1.63	0.815
Top	170KHz	20	0.2356	1.63	0.815
Bottom	170KHz	15	0.1258	1.63	0.815

6 Photographs

6.1 Test photos

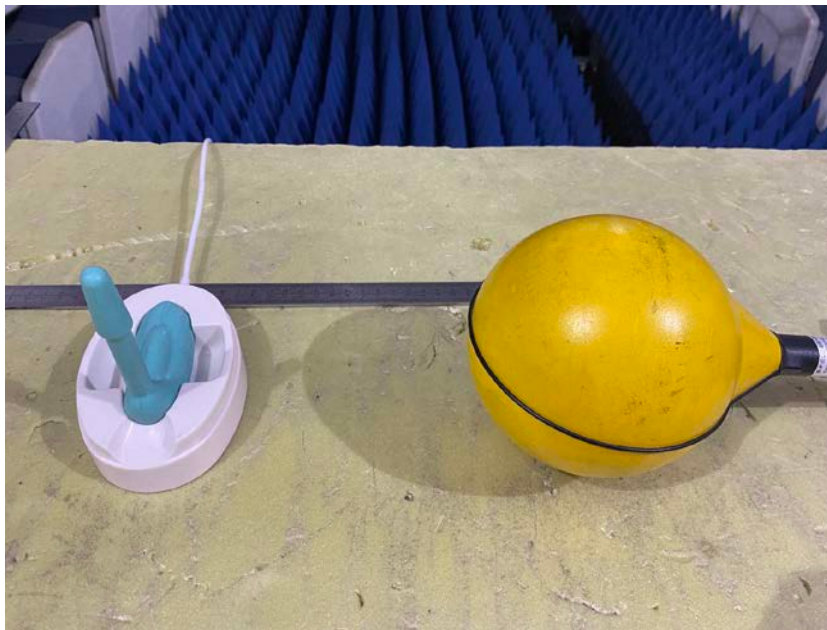
Side 1



Side 2



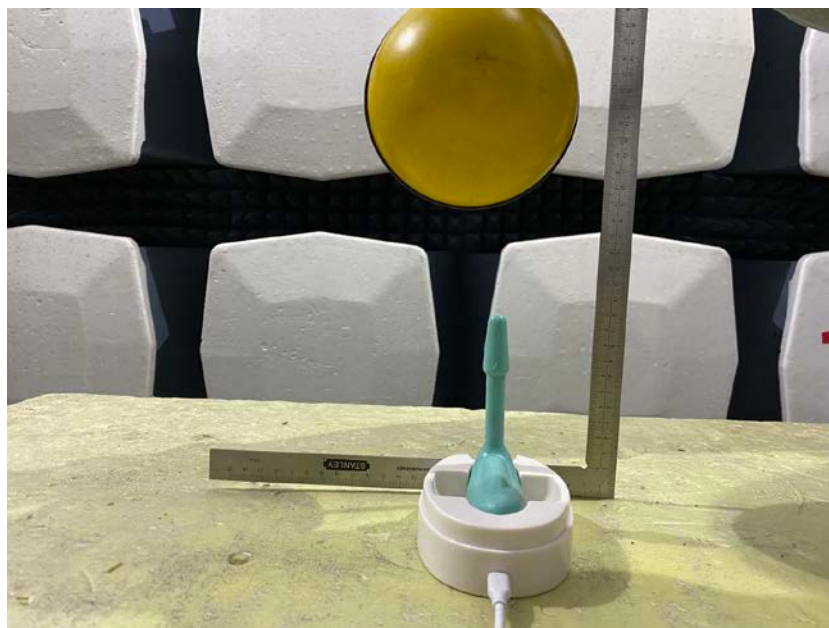
Side 3



Side 4



Top



Bottom



--End of the Report--