RF EXPOSURE
Test Report

Report No.:	MTi210506012-01E2
Date of issue:	May 29, 2021
Applicant:	LIFEWORKS TECHNOLOGY GROUP LLC.
Product name:	Magnetic Charger
Model(s):	2IHQI0850B0L2, 2IHQI085, 2IHQI0850F0L2, 2IHQI0850J0L2, 2IHQI0850N0L2, 2IHQI0850W0L2, 2IHQI0851B0L2, 2IHQI0851F0L2, 2IHQI0851J0L2, 2IHQI0851N0L2, 2IHQI0851W0L2
FCC ID:	WWE-2IHQI085

Shenzhen Microtest Co., Ltd.

http://www.mtitest.com

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Instructions

1. The report shall not be partially reproduced without the written consent of the laboratory;
2. The test results of this report are only responsible for the samples submitted;
3. This report is invalid without the seal and signature of the laboratory;
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5. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

TEST RESULT CERTIFICATION

Applicant's name.....:	LIFEWORKS TECHNOLOGY GROUP LLC.
Address.....:	530 7th Ave 21st Fl New York United States 10018
Manufacturer's Name.....:	Shenzhen sinotek Technology Co., Ltd
Address.....:	Building 5, Second Industry Zone, ShiAo, DaLang Street, BaoAn District, Shenzhen, China
Factory's Name.....:	Shenzhen sinotek Technology Co., Ltd
Address.....:	Building 5, Second Industry Zone, ShiAo, DaLang Street, BaoAn District, Shenzhen, China
Product description	
Product name..... :	Magnetic Charger
Trademark.....:	iHome
Model Name.....:	2IHQI0850B0L2
Serial Model.....	2IHQI085, 2IHQI0850F0L2, 2IHQI0850J0L2, 2IHQI0850N0L2, 2IHQI0850W0L2, 2IHQI0851B0L2, 2IHQI0851F0L2, 2IHQI0851J0L2, 2IHQI0851N0L2, 2IHQI0851W0L2
Standards.....:	FCC CFR 47 PART 1 , 1.1310
Test procedure.....:	KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01
Date of Test	
Date (s) of performance of tests..... :	May 08, 2021 ~May 29, 2021
Test Result..... :	Pass

This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Testing Engineer : Cindy Qin

(Cindy Qin)

Technical Manager : Leo Su

(Leo Su)

Authorized Signatory : Tom Xue

(Tom Xue)

Table of Contents

1 General Information

1.1 Description of EUT

Product name:	Magnetic Charger
Brand name:	iHome
Model name:	2IHQI0850B0L2
Series model:	2IHQI085, 2IHQI0850F0L2, 2IHQI0850J0L2, 2IHQI0850N0L2, 2IHQI0850W0L2, 2IHQI0851B0L2, 2IHQI0851F0L2, 2IHQI0851J0L2, 2IHQI0851N0L2, 2IHQI0851W0L2
Deference in serial model:	All the models are the same circuit and RF module, except the model No. and color.
Operation frequency:	115–205 kHz
Operational mode:	Wireless charging
Modulation type:	ASK
Antenna type:	Coil Antenna
Power source:	DC 9V from adapter AC 120V/60Hz
Input:	5V/2A, 9V/2A
Battery:	N/A
Adapter information:	N/A

1.2 Ancillary equipment list

Equipment	Model	S/N	Manufacturer
Adapter	HW-090200CH0	/	Huizhou BYD Electronics Co., Ltd.
Load	YBZ1.1	/	YBZ

1.3 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y)

Radiated emission(150kHz~30MHz)	± 2.5 dB
Radiated emission(30MHz~1GHz)	± 4.2 dB
Radiated emission (above 1GHz)	± 4.3 dB
Temperature	±1 degree
Humidity	± 5 %

2 Testing site

Test Site	Shenzhen Microtest Co., Ltd
Test Site Location	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao' an District, Shenzhen, Guangdong, China.
FCC Registration No.:	448573

3 List of test equipment

Equipment No.	Equipment Name	Manufacturer	Model	Serial No.	Calibration date	Due date
MTI-E115	Electric and Magnetic Field Probe - Analyzer	Narda Safety Test Solutions GmbH	EHP-200A	/	2020/11/12	2021/11/11

4 Test Results

4.4 Maximum permissible exposure

4.4.1 Limit

Frequency range(MHz)	Electric field strength(V/m)	Magnetic field strength(A/m)	Power density(mW/cm2)	Averaging time(minutes)
(A) Limits for Occupational/Controlled Exposure				
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	6
300-1500			f/300	6
1500-100000			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
1500-100000			1	30
f = frequency in MHz * = Plane-wave equivalent power density				

4.4.2 Test Procedures

E and H-field measurements should be made with the center of the probe at a distance of 15 cm surrounding the device and 20 cm above the top surface of the primary/client pair.

These measurements should be repeated for three different client battery levels, 1%, 50%, and 99%.

Record the test results.

KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01:

(1) Power transfer frequency is less than 1 MHz

(2) Output power from each primary coil is less than or equal to 15 watts.

(3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.

(4) Client device is placed directly in contact with the transmitter.

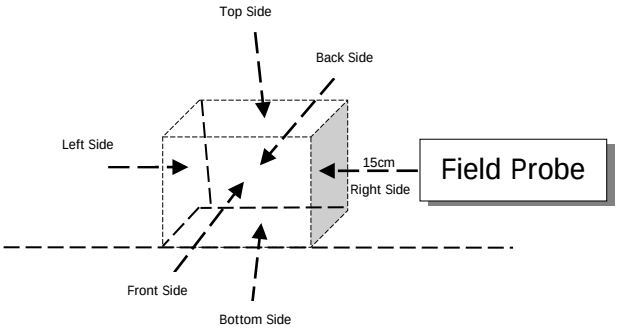
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

(6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those

coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.

Note: The device is in compliance with KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01 6 conditions.

4.4.3 Test Setup



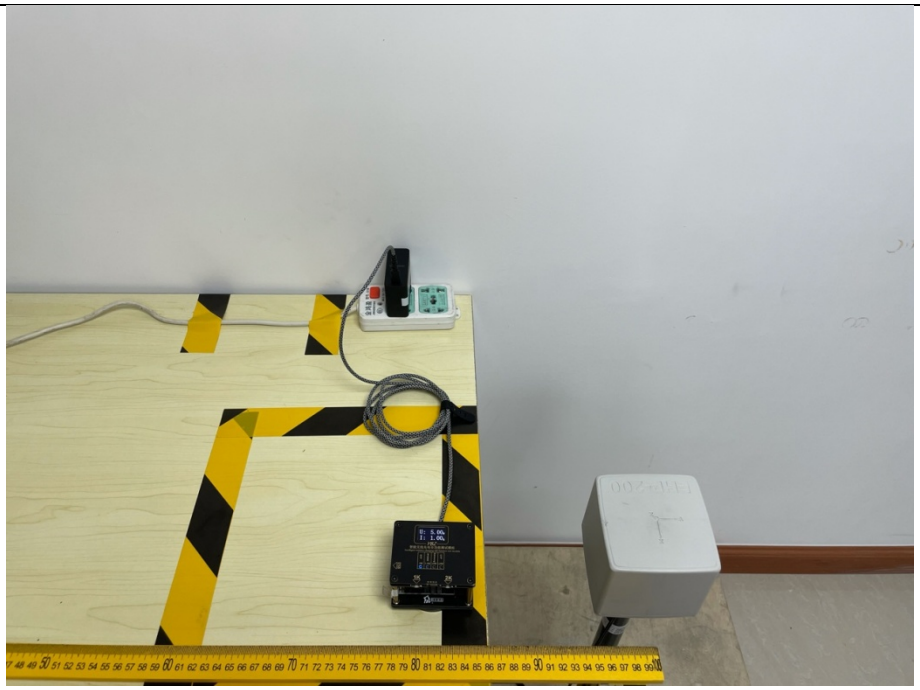
4.4.4 Test Result

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E – field(V/m)	H–field(A/m)
<1%	Top	20	0.8730	0.0116
<1%	Bottom	15	0.8805	0.0181
<1%	Left	15	0.8816	0.0178
<1%	Right	15	0.8899	0.0195
<1%	Front	15	0.8836	0.0186
<1%	Back	15	0.8833	0.0184
Limit			614	1.63
Margin Limit (%)			0.142	0.712

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E – field(V/m)	H–field(A/m)
<50%	Top	20	0.8724	0.0179
<50%	Bottom	15	0.8732	0.0112
<50%	Left	15	0.8734	0.0103
<50%	Right	15	0.8735	0.0192
<50%	Front	15	0.8731	0.0181
<50%	Back	15	0.8736	0.0185
Limit			614	1.63
Margin Limit (%)			0.142	1.098

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E – field(V/m)	H–field(A/m)
<99%	Top	20	0.8833	0.0173
<99%	Bottom	15	0.8835	0.0180
<99%	Left	15	0.8836	0.0178
<99%	Right	15	0.8839	0.0196
<99%	Front	15	0.8835	0.0186
<99%	Back	15	0.8840	0.0189
Limit			614	1.63
Margin Limit (%)			0.144	1.061

4.4.5 MPE Setup photo



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