



RF EXPOSURE REPORT

FOR

Wireless charger

Model: IH-QI1019R、IH-QI1019PAY、IH-QI1019PAE、
IH-QI1019PAN、IH-QI1019PAP、FM-QI1000M、
FM-QI1002WD、FM-QI1004M、FM-QI1002BD

Trade Mark: N/A

Issued to

LIFEWORKS TECHNOLOGY GROUP LLC.

Issued by

WH Technology Corp.

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1. GENERAL INFORMATION

Applicant : LIFEWORKS TECHNOLOGY GROUP LLC.

Address : 1412 Broadway New York, NY 10018

Manufacturer : Lifeworks Technology Group

Address : NYO | 530 7th Avenue, 21st Floor, New York, NY, 10018

EUT : Wireless charger

Model Name : IH-QI1019R、IH-QI1019PAY、IH-QI1019PAE、IH-QI1019PAN、IH-QI1019PAP、FM-QI1000M、FM-QI1002WD、FM-QI1004M、FM-QI1002BD

Model Differences : Different in color

Standard : FCC Part 1 (Section 1.1307(b), 1.1310)

Receipt Date: 11/20/2018

Final Test Date: 12/03/2018

Reviewed by:

Tested by:

Engineer

Manager



1.1 TEST MODE:

127kHz

1.2 DESCRIPTION OF THE TESTED SAMPLES

EUT Name	: Wireless charger
Model Number	:: IH-QI1019R
FCCID Number	WWEIHQI1019R
Receipt Date	: 11/20/2018
Output Power	: Input: DC 9V--1.67A, 5V--2A Output: DC 9V—1.12A, 5V--2A
Operate Frequency	: 115kHz~205kHz
Antenna Type	: Coil Antenna



2. LIST OF TEST AND MEASUREMENT INSTRUMENTS

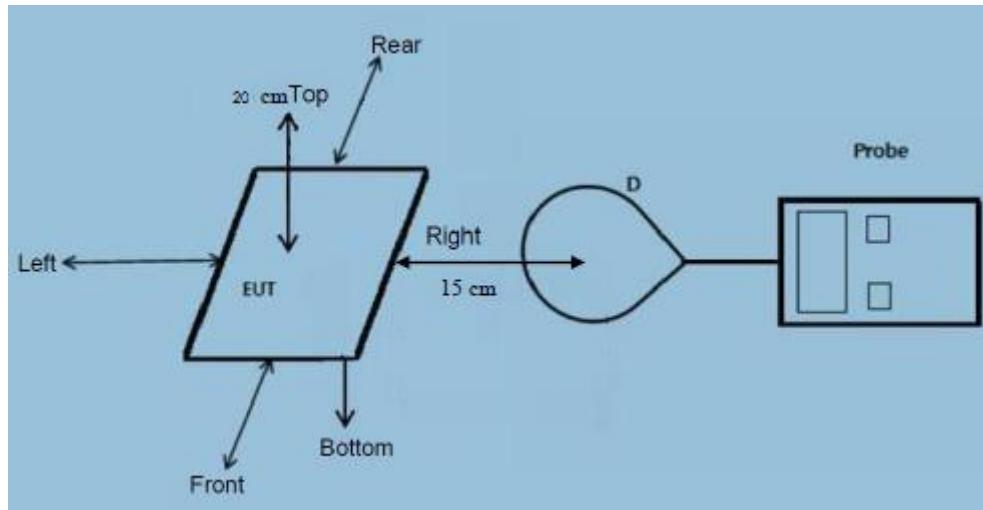
Equipment	Model	Manufacture	Last Cal.	Next Cal.
EMF Meter	ELT-400	NARDA	Oct. 22, 2018	Oct. 21, 2019

3. METHOD OF MEASUREMENT

3.1 APPLICABLE STANDARD

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01 RF Exposure Wireless Charging Apps v03.

3.2 TEST SETUP



3.3 TEST PROCEDURE:

- For devices designed for typical desktop applications, such as a wireless charging pad, RF exposure evaluation should be conducted assuming a user separation distance 20 cm from the top, and 15 cm from other directions (Left, Right, Front, Rear, Bottom). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device.



3.4 EQUIPMENT APPROVAL CONSIDERATIONS:

The EUT does comply with item 5 of KDB 680106 D01v03

- (1) Power transfer frequency is less than 1 MHz.
(Conform)
- (2) Output power from each primary coil is less than or equal to 15 watts.
(Conform)
- (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.
(Conform)
- (4) Client device is placed directly in contact with the transmitter.
(Conform)
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
(Intended for desk top use)
- (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.
(Conform)

4. TEST DATA

E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
< 1% Battery	Front	15	0.116	0.468	307	614	PASS
< 1% Battery	Rear	15	0.119	0.427			PASS
< 1% Battery	Left	15	0.121	0.446			PASS
< 1% Battery	Right	15	0.118	0.422			PASS
< 1% Battery	Bottom	15	0.132	0.453			PASS
< 1% Battery	Top	20	0.134	0.462			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
< 1% Battery	Front	15	0.145	0.116	0.815	1.63	PASS
< 1% Battery	Rear	15	0.149	0.119			PASS
< 1% Battery	Left	15	0.151	0.121			PASS
< 1% Battery	Right	15	0.148	0.118			PASS
< 1% Battery	Bottom	15	0.165	0.132			PASS
< 1% Battery	Top	20	0.168	0.134			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface.
A/m=uT/1.25



E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
50% Battery	Front	15	0.113	0.441	307	614	PASS
50% Battery	Rear	15	0.124	0.426			PASS
50% Battery	Left	15	0.127	0.424			PASS
50% Battery	Right	15	0.113	0.405			PASS
50% Battery	Bottom	15	0.118	0.418			PASS
50% Battery	Top	20	0.125	0.421			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
50% Battery	Front	15	0.141	0.113	0.815	1.63	PASS
50% Battery	Rear	15	0.155	0.124			PASS
50% Battery	Left	15	0.159	0.127			PASS
50% Battery	Right	15	0.141	0.113			PASS
50% Battery	Bottom	15	0.147	0.118			PASS
50% Battery	Top	20	0.156	0.125			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface.
A/m=uT/1.25

E-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Calculated Value (A/m)	Calculated Value (V/m)	50% Limits Test(V/m)	Limits Test (V/m)	Result
>99% Battery	Front	15	0.119	0.448	307	614	PASS
>99% Battery	Rear	15	0.118	0.440			PASS
>99% Battery	Left	15	0.122	0.418			PASS
>99% Battery	Right	15	0.107	0.463			PASS
>99% Battery	Bottom	15	0.117	0.452			PASS
>99% Battery	Top	20	0.107	0.461			PASS
H-Filed Strength							
Charging	Probe from EUT Side	Test Distance (cm)	Measured Value(uT)	Calculated Value (A/m)	50% Limits Test(A/m)	Limits Test (A/m)	Result
>99% Battery	Front	15	0.149	0.119	0.815	1.63	PASS
>99% Battery	Rear	15	0.148	0.118			PASS
>99% Battery	Left	15	0.152	0.122			PASS
>99% Battery	Right	15	0.134	0.107			PASS
>99% Battery	Bottom	15	0.146	0.117			PASS
>99% Battery	Top	20	0.134	0.107			PASS

Note: The aggregate H-filed strengths at 15cm surrounding the device and 20cm above the top surface.
A/m=uT/1.25



Test Setup Photos

