



**FCC RF EXPOSURE**

**TEST REPORT**

*For*

**iFory Wireless Charging Pad**

**MODEL NUMBER: 191201R**

**FCC ID: 2ASJI-191201R**

**REPORT NUMBER: 4789391834-3**

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*Prepared for*

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Revision History

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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: Dongguan Xuntao Electronic Co., Ltd.  
Address: No.17, Kuiqing Road Qingxi Town  
Dongguan City 523660 China

### Manufacturer Information

Company Name: LUXSHARE PRECISION INDUSTRY CO LTD  
Address: Guangdong.Shenzhen.2F Blk A Sanyo New Industrial Area.West  
Haoyi Community Shajing Subdistrict Office.Baoan  
District.Shenzhen

### EUT Information

EUT Name: iFory Wireless Charging Pad  
Model: 191201R  
Brand:

Ifory

Sample Received Date: February 24, 2020  
Sample Status: Normal  
Sample ID: 2903838  
Date of Tested: March 05, 2020 ~ March 13, 2020

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§1.1307	PASS
FCC 47CFR§1.1310	PASS
FCC 47CFR§2.1093	PASS
FCC 47CFR§2.1091	PASS

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## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47CFR§1.1307(b)(1), FCC 47CFR§1.1310, FCC 47CFR§2.1093, 680106 D01 RF Exposure wireless charging apps v03.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China .



#### 4. DESCRIPTION OF EUT

EUT Name	iFory Wireless Charging Pad	
EUT Description	191201R	
Model	/	
Model Difference	/	
Product Description	Operation Frequency	110 ~ 148kHz
Modulation Type	FSK	
Rated Output Power	Maximum 10W	
Antenna type	Coil	
Ratings	Input: DC 5V/2A, 9V/1.67A Output: 10W	

## 5. REQUIREMENT

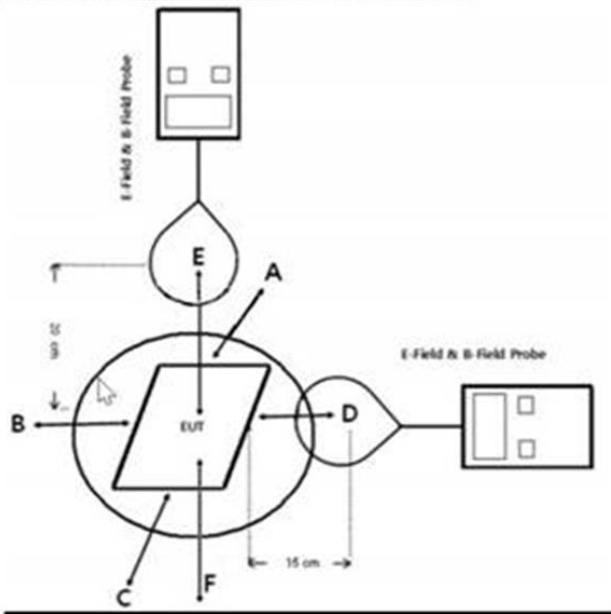
### LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

### METHOD OF MEASUREMENT

- The RF exposure test was performed in shielded chamber.
- The measurement probe was placed at test distance (15 cm) which is between the edge of the charger and the geometric centre of probe. The measurement probe was placed at test distance (20cm) which is between the top of the charger and the geometric centre of probe.
- The measurement probe used to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- The EUT were measured according to the dictates of KDB 680106D01v03.

### BLOCK DIAGRAM OF TEST SETUP



Note 1: The block diagram only showed the measurement probe was placed at test distance (15 cm) which is between the edge of the charger and the geometric centre of probe, for the top of the charger, the test distance shall be 20cm.

Note 2: As bottom point is not required to test for desktop devices, so we scanning all the surfaces and recorded the worst level in F.

**EQUIPMENT APPROVAL CONSIDERATIONS**

The EUT does comply with KDB 680106D01v03.

1) Power transfer frequency is less than 1MHz.

Yes; the device operated in the frequency 110 ~ 148kHz

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

Yes; the maximum output power of each primary coil is 10 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.

Yes, the transmitter includes only one coils.

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

Yes; Client device is placed directly in contact with the transmitter.

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

Yes; The EUT is a mobile device.

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.

The EUT field strength levels are less than 50% of the MPE limit.

**MEASURING INSTRUMENT USED**

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Electric and Magnetic Field Analyzer	Narda	EHP-200A	170WX90204	April 21, 2019	April 21, 2020





## **E FIELD AND H FIELD STRENGTH TEST RESULT**

Test mode for wireless charger:

Mode	Description
Mode 1	Standby
Mode 2	5V/2A input and 10W output (Charger transmission distance from the device: 0mm spacing separation)
Mode 3	9V/1.67A input and 10W output (Charger transmission distance from the device: 0mm spacing separation)
Mode 4	9V/1.67A input and 10W output with 4mm airgap (Charger transmission distance from the device: 4mm spacing separation)



H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (A/m)

Test Position	H-Field Strength Measure Result		Limits (A/m)
	Mode 1		
	A/m		
A	0.03		1.63
B	0.02		1.63
C	0.03		1.63
D	0.02		1.63
E	0.02		1.63
F	0.03		1.63

E-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (V/m)

Test Position	E-Field Strength Measure Result		Limits (V/m)
	Mode 1		
	V/m		
A	0.25		614
B	0.23		614
C	0.22		614
D	0.23		614
E	0.22		614
F	0.24		614

H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (A/m)

Test Position	H-Field Strength Measure Result		Limits (A/m)
	Mode 2		
	A/m		
A	0.04		1.63
B	0.07		1.63
C	0.11		1.63
D	0.07		1.63
E	0.05		1.63
F	0.11		1.63

E-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (V/m)

Test Position	E-Field Strength Measure Result		Limits (V/m)
	Mode 2		
	V/m		
A	1.28		614
B	0.83		614
C	0.97		614
D	1.26		614
E	0.40		614
F	1.29		614



H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (A/m)

Test Position	H-Field Strength Measure Result		Limits (A/m)
	Mode 3		
	A/m		
A	0.09		1.63
B	0.06		1.63
C	0.09		1.63
D	0.05		1.63
E	0.04		1.63
F	0.10		1.63

E-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (V/m)

Test Position	E-Field Strength Measure Result		Limits (V/m)
	Mode 3		
	V/m		
A	2.87		614
B	2.00		614
C	2.77		614
D	3.12		614
E	2.15		614
F	3.13		614

H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (A/m)

Test Position	H-Field Strength Measure Result		Limits (A/m)
	Mode 4		
	A/m		
A	0.08		1.63
B	0.05		1.63
C	0.07		1.63
D	0.04		1.63
E	0.03		1.63
F	0.07		1.63

E-Field Strength at 15 cm from the edges surrounding the EUT and 20cm above the top surface of the EUT (V/m)

Test Position	E-Field Strength Measure Result		Limits (V/m)
	Mode 4		
	V/m		
A	2.85		614
B	1.99		614
C	2.73		614
D	3.08		614
E	2.14		614
F	3.07		614



Note: All the mode had been tested, but only the worst data recorded in the report.

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**END OF REPORT**