



RF Exposure Report

Applicant : Ubio Labs, Inc.
Address : 2821 Northup Way, Suite 250, Bellevue, WA 98004, USA
Equipment : Wireless Charging Pad
Model No. : AWC1046
Trademark : N/A
FCC ID : 2ATGY-AWC1046

I HEREBY CERTIFY THAT :

The sample was received on Jul. 19, 2019 and the test items were conducted during Jul. 30, 2019 at Cerpass Technology (Suzhou) Co., Ltd. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology (Suzhou) Co., Ltd., the test report shall not be reproduced except in full.

Approved by:


Miro Chueh
EMC/RF Manager

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory



TAF LAB Code: 1439

Cerpass Technology (SuZhou) Co., Ltd.



A2LA LAB Code: 4981.01



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1. Summary Of Standards And Results

1.1. Measuring Standard

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Normative References	Remarks
RF Exposure	FCC CFR 47 part1, 1.1310 KDB680106 D01v03	PASS

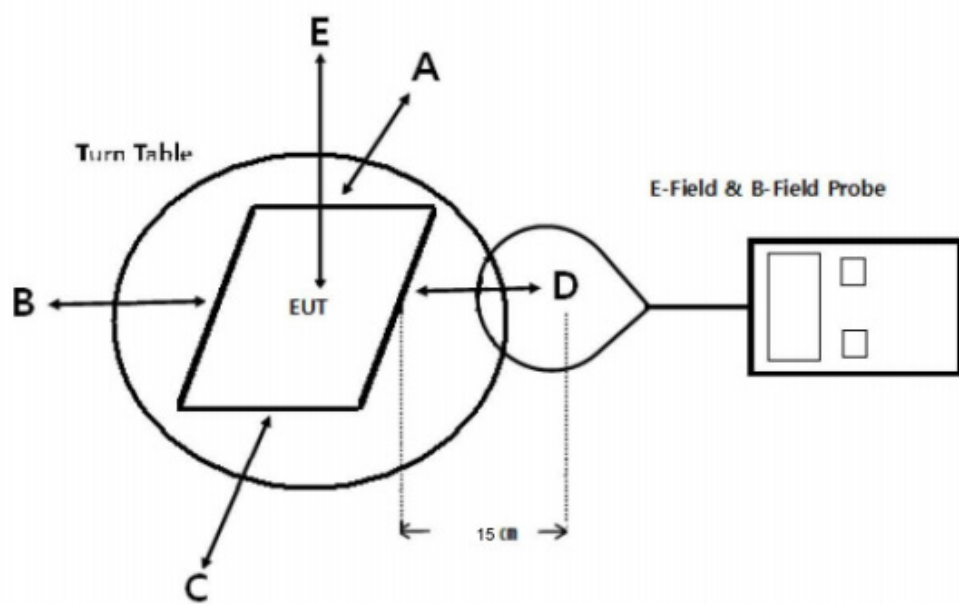
1.2. Equipment Approval Considerations

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

Conditions Requirement	Answer
Power transfer frequency is less than 1 MHz	Yes, the device operated in the frequency range from 110-205KHz
Output power from each primary coil is less than or equal to 15 watts	Yes, the maximum output power of the primary coil is 10W.
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 transfer system include only single primary.
Client device is inserted in or placed directly in contact with the transmitter	Yes, client device is placed directly in contact with the transmitter
Mobile exposure conditions only(portable exposure conditions are not covered by this exclusion).	Yes, Mobile exposure conditions only(portable exposure conditions are not covered by this exclusion).
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.	Yes, the EUT 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.
Remark: Meet all the above requirements.	



1.3. Typical test Setup





1.4. Specification Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) Limits for Maximum Permissible Exposure (MPE)

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 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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310

1.5. Test Equipment List and Details

Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMIF Tester	Narda	ELT-400	G-0041	2019/01/16	2020/01/15

1.6. Test Result

Electric Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Frequency Range (KHz)	Test Position	Test result(v/m)	Limit (v/m)
110~205	A: Front	0.307	614.00
110~205	B: Back	0.292	614.00
110~205	C: Left	0.301	614.00
110~205	D: Right	0.223	614.00
110~205	E: Top	0.311	614.00



110~205	F: Bottom	0.286	614.00
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Magnetic Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Frequency Range (KHz)	Test Position	Test result(A/m)	Limit (A/m)
110~205	A: Front	0.224	1.63
110~205	B: Back	0.231	1.63
110~205	C: Left	0.240	1.63
110~205	D: Right	0.257	1.63
110~205	E: Top	0.330	1.63
110~205	F: Bottom	0.285	1.63

1.7. Photographs of test setup