FCC RF EXPOSURE REPORT

For

Charging Stand for Apple Watch

MODEL NUMBER: AWC1052, AWC1052AW, AWC1052SG, AWC1052XX
(X would be any Arabian number or English letter or blank)

FCC ID: 2ATGY-AWC1052

REPORT NUMBER: 4789012724.1-4

ISSUE DATE: June 27, 2019

Prepared for

Ubio Labs, Inc.
2821 Northup Way, Suite 250, Bellevue, WA 98004, USA

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China
Tel: +86 769 22038881
Fax: +86 769 33244054
Website: www.ul.com

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	06/27/2019	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Ubio Labs, Inc.
Address:	2821 Northup Way, Suite 250, Bellevue, WA 98004, USA

Manufacturer Information

Company Name:	Shenzhen PYS Industrial Co., LTD
Address:	Floor 3,8,12，Bldg 9#, Lianhua Industrial Zone, Loangyuan Road, Longhua Street, Longhua District, Shenzhen

EUT Description

EUT Name:	Charging Stand for Apple Watch
Model:	AWC1052
Serial Model:	Please refer to page 8 clause 5.1. Description of EUT
Brand Name:	/
Sample Status:	Normal
Sample ID:	2331442
Sample Received Date:	May 24, 2019
Date of Tested:	June 3, 2019 ~ June 27, 2019

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

Tested By:

Denny Huang
Project Engineer

Checked By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo
Laboratory Manager

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	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** 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 **IC (Company No.: 21320)** 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. **VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)** 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

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. REQUIREMENT

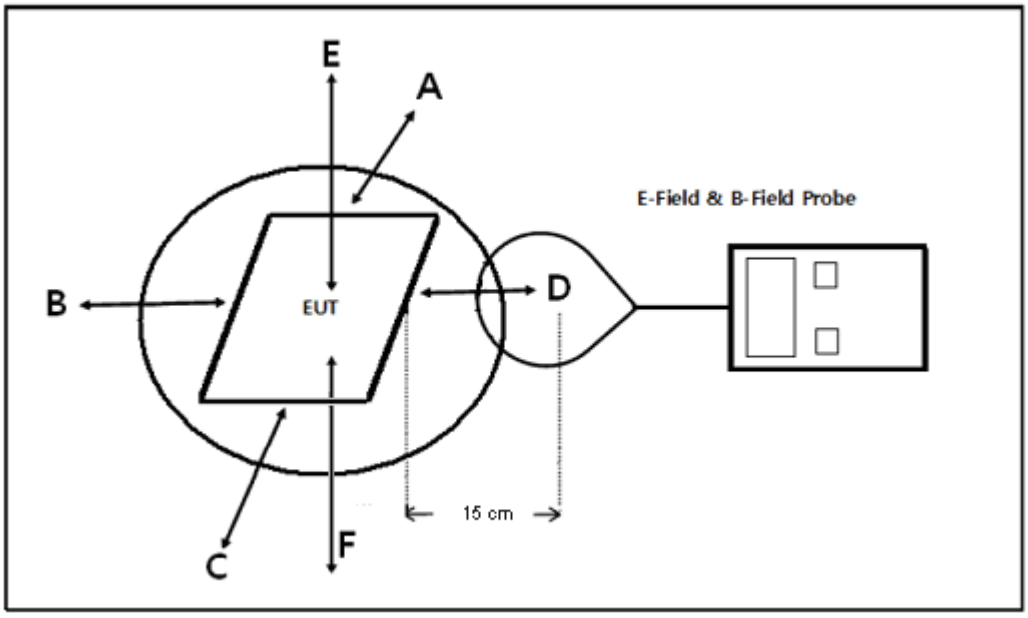
RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (Minutes)
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

METHOD OF MEASUREMENT

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

BLOCK DIAGRAM OF TEST SETUP



Note: 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 1 MHz.
Yes; the device operate in the frequency range from 326.5kHz.

2) Output power from each primary coil is less than or equal to 15 watts.
Yes; the maximum output power of the each primary coil is not exceed 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 transfer system includes only single primary and secondary coils.

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

e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
Yes; The EUT is a mobile devices.

f) 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 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

H FIELD STRENGTH

Test mode for wireless charger:

Config	Test Mode	Description
Mode 1	Standby	EUT powered by AC/DC adapter
Mode 2	Normal Operation	EUT and apple watch powered by AC/DC adapter, USB output with 5V2.4A load

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 Measurement Result	Limits (A/m)
	Mode 1	
	A/m	
A	0.021	1.63
B	0.036	1.63
C	0.023	1.63
D	0.054	1.63
E	0.017	1.63
F	0.025	1.63

Test Position	H-Field Strength Measurement Result	Limits (A/m)
	Mode 2	
	A/m	
A	0.018	1.63
B	0.026	1.63
C	0.020	1.63
D	0.044	1.63
E	0.014	1.63
F	0.018	1.63

Note 1: $f = 326.5\text{kHz}$

E-Field Strength at 15 cm from the edges surrounding the EUT (V/m)

Test Position	E-Field Strength Measurement Result	Limits (V/m)
	Mode 1	
	V/m	
A	0.08	614
B	0.05	614
C	0.07	614
D	0.10	614
E	0.05	614
F	0.09	614

Test Position	E-Field Strength Measurement Result	Limits (V/m)
	Mode 2	
	V/m	
A	0.1	614
B	0.07	614
C	0.09	614
D	0.13	614
E	0.06	614
F	0.11	614

Note 1: f= 326.5kHz

END OF REPORT