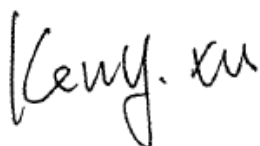


Human Exposure Report

Application No.: SZEM1901010175CR
Applicant: SHENZHEN LANNENGSHITONG ELECTRONICS CO., LTD
Address of Applicant: Floor3 No.40 xinhe road shangmugu village Pinghu neighborhood Longgang District, Shenzhen, 518110, China.
Manufacturer: SHENZHEN LANNENGSHITONG ELECTRONICS CO., LTD
Address of Manufacturer: Floor3 No.40 xinhe road shangmugu village Pinghu neighborhood Longgang District, Shenzhen, 518110, China.
Factory: SHENZHEN LANNENGSHITONG ELECTRONICS CO., LTD
Address of Factory: Floor3 No.40 xinhe road shangmugu village Pinghu neighborhood Longgang District, Shenzhen, 518110, China.
Equipment Under Test (EUT):
EUT Name: Ubiolabs Wireless Charging Dock and Hub
Model No.: AWC1040
Trade mark: Ubiolabs
FCC ID: 2APNH-AWC1040
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt: 2019-01-09
Date of Test: 2019-01-09 to 2019-05-14
Date of Issue: 2019-05-17

Test Result :	Pass*
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* In the configuration tested, the EUT complied with the standards specified above



Keny Xu
 EMC Laboratory Manager



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



<i>Revision Record</i>				
Version	Chapter	Date	Modifier	Remark
01		2019-05-17		Original

Authorized for issue by:			
		 <hr/> Bill Chen /Project Engineer	
		 <hr/> Eric Fu /Reviewer	



2 Contents

1	COVER PAGE	1
2	CONTENTS	3
3	GENERAL INFORMATION	4
3.1	DETAILS OF E.U.T.	4
3.2	DESCRIPTION OF SUPPORT UNITS	4
3.3	TEST LOCATION.....	5
3.4	TEST FACILITY	5
3.5	DEVIATION FROM STANDARDS	5
3.6	ABNORMALITIES FROM STANDARD CONDITIONS.....	5
4	EQUIPMENTS USED DURING TEST.....	6
5	TEST RESULTS	7
5.1	RF EXPOSURE TEST	7
5.1.1	E.U.T. Operation	7
5.1.2	Measurement Data.....	8
6	PHOTOGRAPHS.....	9
6.1	TEST SETUP PHOTOS	9



3 General Information

3.1 Details of E.U.T.

Power supply:	Input:DC 5-15V/3.5A Max Output:Wireless 5V 10W Max Double USB 1/2: 5V2.4A each
Test voltage:	110V
Cable:	USB cable:175cm unshielded
Antenna Type:	Loop Antenna
Modulation Type:	Load Modulation
Operation Frequency:	110.77kHz to 206.15kHz
Remark:	Tests were conducted in all three load modes and the worst case 10W(DC 9V/1.1A) is reported only.

3.2 Description of Support Units

The EUT has been tested as an independent unit.



3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.



4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2020-02-06



5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 15cm

Limit:

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 Exposures				
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
300-1500	/	/	f/300	6
1500-100,000	/	/	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
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz
*=Plane-wave equivalent power density
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

EUT Operation:

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



5.1.2 Measurement Data

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
147.2 kHz	15	Side 1	0.0192	0.815
		Side 2	0.0237	0.815
		Side 3	0.0212	0.815
		Side 4	0.0234	0.815
		Top	0.0161	0.815

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50%Limit (A/m)
			zero charge	intermediate charge	full charge	
147.2 kHz	15	Side 1	0.0206	0.0177	0.0143	0.815
		Side 2	0.0244	0.0213	0.0192	0.815
		Side 3	0.0225	0.0194	0.0177	0.815
		Side 4	0.0229	0.0218	0.0203	0.815
		Top	0.0174	0.0156	0.0134	0.815





6 Photographs

6.1 Test setup photos

Please refer to RF Exposure Setup Photos.

- End of the Report -

