Human Exposure Report

Product Name	:	PVC Wireless Charger
Trade mark	:	N/A
Model No.	:	PWCP-011-01, PWCP-011-02, PWCP-011-03, PWCP-011-04, PWCP-011-05
FCC ID	:	2AT3QPWCP-011
Report Number	:	BLA-EMC-201907-A09-02
Date of sample receipt	:	July 05, 2019
Date of Test	:	July 05, 2019-July 22, 2019
Date of Issue	:	July 23, 2019
Test standard	:	47 CFR PART 1, Subpart I, Section 1.1310
Test result	:	PASS

Prepared for:

shenzhen CWC technology Co., ltd

Room 608, Bantian Group Business Center, Lipu Block, West Changfa Rd., Bantian, Longgang Dist., Shenzhen, China

Prepared by:

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia

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Compiled by: Jason

Review by: Sweet Liang

Approved by: Emen_Li

Date: July 23, 2019

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3 General Information

Details of E.U.T.

Rated input:	DC 5V or DC 9V from USB port
Rated output:	5V2A max or 9V1.67A max
Antenna Type:	Loop antenna
Modulation type:	Load modulation
Test voltage:	AC 120V/60Hz (Voltage of the AC/DC adapter)

Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Serial No.
Adapter	Samsung	EP-TA200	N/A
Dummy load	E-Charging	N/A	N/A
Mobile phone	Samsung	G950F	N/A

Remark:

Model No.: RC200, RC300, RC400

Only the model RC200 was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on appearance.

Test Location

All tests were performed at:

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.
IOT Test Centre of BlueAsia

No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.

Test Facility

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

● FCC — Designation No.: CN1252

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Designation CN1252.

●ISED — CAB identifier No.: CN0028
Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with CAB identifier CN0028.

Deviation from Standards

None.

Abnormalities from Standard Conditions

None.

4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date (mm-dd-yy)
1	3m SAC	SKET	9m*6m*6m	966	06-09-2023
2	Electric Field Meter	Schaffner	EMC20	EMC068	03-27-2020

5 Test Results

a) RF Exposure test

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

Measurement Distance: 10cm

Test voltage: AC 120V/60Hz (Voltage of the AC/DC adapter)

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).				

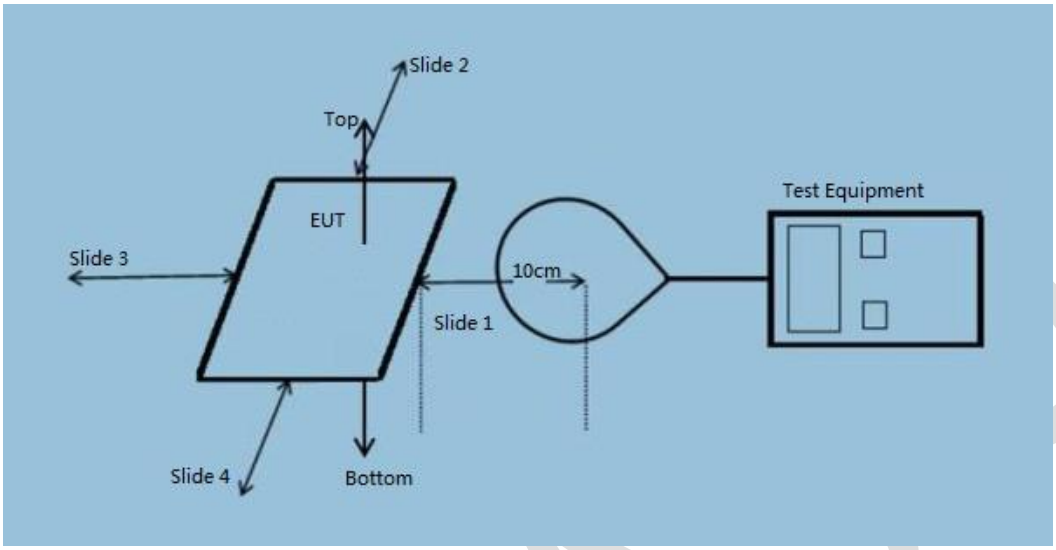
E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

EUT Operation and Test Block:

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.


Slide 2
Top
EUT
Test Equipment
Slide 3
10cm
Slide 1
Slide 4
Bottom

Measurement Data

1: Output Voltage= DC 5V

Electric Field Emissions

Test Position	Test Distance(cm)	Probe Measure Result(V/m)			Limit (V/m)	30% Limit(V/m)
		1% Current	50% Current	99% Current		
Side 1	10	0.77	0.59	0.58	614	184.2
Side 2	10	0.75	0.52	0.56	614	184.2
Side 3	10	0.69	0.58	0.59	614	184.2
Side 4	10	0.73	0.57	0.53	614	184.2
Top	10	**0.82**	0.72	0.64	614	184.2
Bottom	10	0.67	0.63	0.62	614	184.2

Magnetic Field Emissions

Test Position	Test Distance(cm)	Probe Measure Result(A/m)			Limit (A/m)	30% Limit(A/m)
		1% Current	50% Current	99% Current		
Side 1	10	0.0018	0.0012	0.0018	1.63	0.489
Side 2	10	0.0024	0.0017	0.0012	1.63	0.489
Side 3	10	0.0031	0.0015	0.0017	1.63	0.489
Side 4	10	0.0027	0.0015	0.0018	1.63	0.489
Top	10	**0.0035**	0.0024	0.0024	1.63	0.489
Bottom	10	0.0019	0.0015	0.0021	1.63	0.489

2:Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Electric Field Emissions

Test Position	Test Distance(cm)	Probe Measure Result(V/m)			Limit (V/m)	30% Limit(V/m)
		zero charge	intermediate charge	full charge		
Side 1	10	0.71	0.79	0.63	614	184.2
Side 2	10	0.51	0.58	0.47	614	184.2
Side 3	10	0.53	0.51	0.56	614	184.2
Side 4	10	0.51	0.53	0.58	614	184.2
Top	10	0.68	**0.85**	0.63	614	184.2
Bottom	10	0.59	0.75	0.62	614	184.2

Magnetic Field Emissions

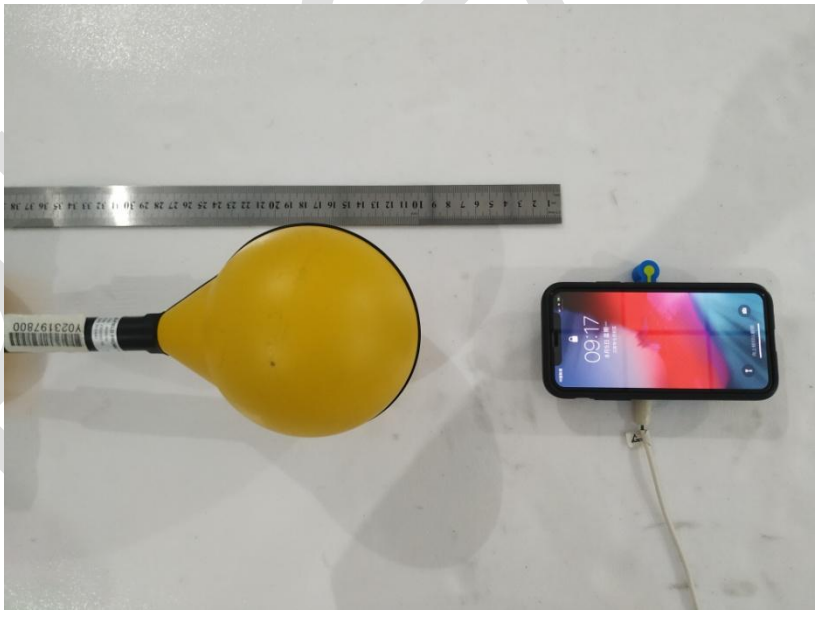
Test Position	Test Distance(cm)	Probe Measure Result(A/m)			Limit (A/m)	30% Limit(A/m)
		zero charge	intermediate charge	full charge		
Side 1	10	0.0027	0.0024	0.0019	1.63	0.489
Side 2	10	0.0022	0.0019	0.0011	1.63	0.489
Side 3	10	0.0018	0.0015	0.0015	1.63	0.489
Side 4	10	0.0017	0.0016	0.0011	1.63	0.489
Top	10	0.0029	0.0033	0.0025	1.63	0.489
Bottom	10	0.0016	0.0022	0.0028	1.63	0.489

6 Photographs

Setup photos

Slide 1

Slide 2



Slide 3

Slide 4