



Human Exposure Report

Application No.: SZEM2008007850CR
Applicant: Shenzhen Kaixinghui Technology Co., Ltd.
Address of Applicant: 4, 5F, F Bldg., Hengchangrong Xinghui Industrial Huaning Rd Dalang St. Longhua Dist, Dalang St. Longhua Dist. Shenzhen 518000 China
Manufacturer: Shenzhen Kaixinghui Technology Co., Ltd.
Address of Manufacturer: 4, 5F, F Bldg., Hengchangrong Xinghui Industrial Huaning Rd Dalang St. Longhua Dist, Dalang St. Longhua Dist. Shenzhen 518000 China
Factory: Shenzhen Kaixinghui Technology Co., Ltd.
Address of Factory: 4, 5F, F Bldg., Hengchangrong Xinghui Industrial Huaning Rd Dalang St. Longhua Dist, Dalang St. Longhua Dist. Shenzhen 518000 China
Equipment Under Test (EUT):
EUT Name: Wireless Charging Stand
Model No.: X2
Trade Mark: Yootech
FCC ID: 2AOSUX2S
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt: 2020-08-12
Date of Test: 2020-08-19 to 2020-08-25
Date of Issue: 2020-09-03

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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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2020-09-03		Original

Authorized for issue by:			
			
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		Peter Geng /Project Engineer	
			
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		Eric Fu /Reviewer	



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2 General Information

2.1 Details of E.U.T.

Power supply:	Input: DC 5V, 2A; DC 9V, 2A Output: 5W/7.5W/10W
Cable:	USB cable: 100cm, unshielded
Operation frequency:	113.46kHz to 205.53kHz
Modulation type:	Load modulation
Antenna type:	Induction loop coil antenna
Remark:	The device contains both coil antenna: vertical and horizontal. All tests were conducted in both polarity and it is reported for the worst case(vertical) only.

2.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	XIAOMI	MDY-10-EH	AA61904Q207433G
iPhone 8	Apple	A1863	F4GVQ656JC6D
SAMSUNG Galaxy S8	SAMSUNG	SM-G9500	R28J9140LPB



2.3 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.

2.4 Test Facility

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

- **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.

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.



3 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date (yyyy-mm-dd)
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2020-11-09
2	Electric Field Meter	Schaffner	EMC20	EMC068	2020-11-27



4 Test Results

4.1 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).				

4.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °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.

Pretest these	a: Charge mode_Keep the EUT charging(5W)
modes to find	b: Charge mode_Keep the EUT charging(7.5W)
the worst case:	c: Charge mode_Keep the EUT charging(10W)
The worst case	c: Charge mode_Keep the EUT charging(10W)
for final test:	



4.1.2 Measurement Data

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
125 kHz	15	Side 1	0.0503	0.815
		Side 2	0.0471	0.815
		Side 3	0.0528	0.815
		Side 4	0.0451	0.815
		Top	0.0428	0.815

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

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	
125 kHz	15	Side 1	0.0632	0.0516	0.0473	0.815
		Side 2	0.0582	0.0481	0.0437	0.815
		Side 3	0.0653	0.0552	0.0517	0.815
		Side 4	0.0539	0.0407	0.0359	0.815
		Top	0.0516	0.0366	0.0320	0.815

- End of the Report -

