



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240400135002

Page: 1 of 12

Human Exposure Report

Application No.: SZCR2404001350AT
Applicant: JEM ACCESSORIES INC.
Address of Applicant: 32 Brunswick Avenue Edison New Jersey 08817 United States
Manufacturer: JEM ACCESSORIES INC.
Address of Manufacturer: 32 Brunswick Avenue Edison New Jersey 08817 United States
Factory: Shenzhen Tilv Technology Co., Ltd
Address of Factory: 3/F Dongshan No.8 factory,Difu Rd.,Gushu Community, Xixiang St., Baoan District, Shenzhen ,China.

Equipment Under Test (EUT):

EUT Name: Magnetic wireless charger
Model No.: PWC8-1031-FB1, PWC8-1040 ♣
 ♣ Please refer to section 3 of this report which indicates which model was actually tested and which were electrically identical.

FCC ID: 2AHAS-PWC81031

Standards: 47 CFR PART 1, Subpart I, Section 1.1310
 47 CFR PART 2, Subpart J, Section 2.1091

Date of Receipt: 2024-04-17

Date of Test: 2024-04-18 to 2024-04-24

Date of Issue: 2024-04-26

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

Keny Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch EMC Laboratory

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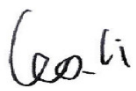
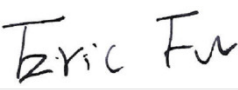
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-04-26		Original

Authorized for issue by:			
			
		Leo Li/Project Engineer	
			
		Eric Fu/Reviewer	



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: DC 5V/2A, 9V/2A Wireless Output: 5/7.5/10W
Cable(s):	USB Cable: 100cm unshielded
Operation frequency:	110.24kHz to 161.76kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Declaration of EUT Family Grouping:

Model No.: PWC8-1031-FB1, PWC8-1040

Only the model PWC8-1040 was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on model No..

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	XIAOMI	MDY-10-EH	REF. No.SEA05L01F
E-loading	SGS	N/A	REF. No.SEA02A400
iPhone 8	Apple	A1863	REF. No.SEA16J00
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P00
Mobile Phone	SAMSUNG	SM-G9810	REF. No.SEA16K00



3.3 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, 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:

- **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 (Member No. 1937)**

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.

Shenzhen EMC laboratory 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: CN1336**

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

Designation Number: CN1336. Test Firm Registration Number: 787754.

- **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

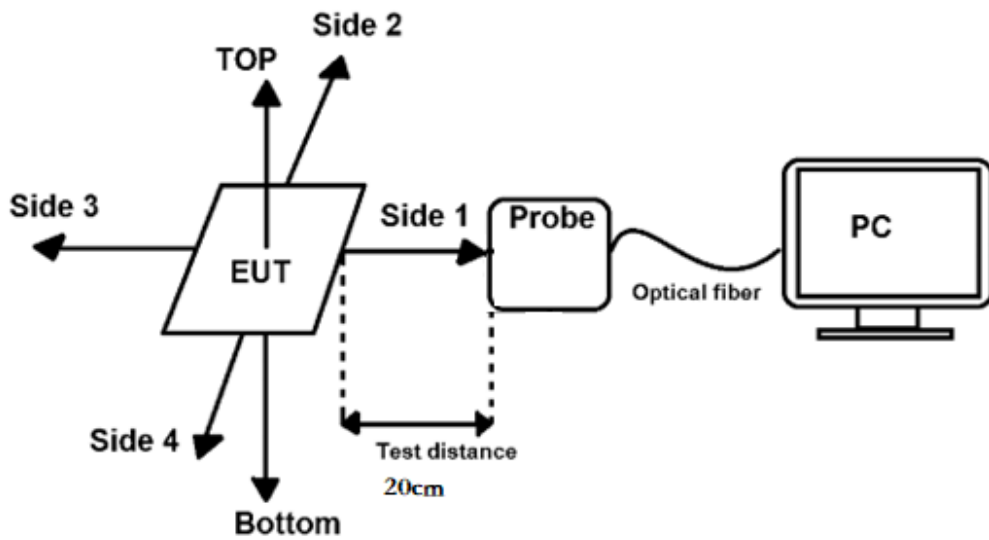
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	3m Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-04-01
2	MAGPy-8H3D+E3D	SPEAG	3061	SEM060-31	2025/04/11
3	MAGPy-DAS	SPEAG	3063	SEM060-32	2025/04/11

5 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charge mode_Keep the EUT charging(5W)
Pre-scan	01	Charge mode_Keep the EUT charging(7.5W)
Final test	02	Charge mode_Keep the EUT charging(10W)



6 Test Block Diagram



7 Test Results

7.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 20cm

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).



7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1020 mbar

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.

7.1.2 Measurement Data

Test mode : 02

E-loading has been charged at unload, half load and full load.

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result			50 % Limit (A/m)	10 % Limit (A/m)
			(A/m)				
			unload	Half load	full load		
157.6 kHz which is the worst case within the operation frequency range	20	Side 1	0.030	0.518	0.588	0.815	0.163
		Side 2	0.040	0.706	0.801		
		Side 3	0.045	0.422	0.484		
		Side 4	0.033	0.710	0.802		
		Top	0.033	0.144	0.168		



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

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			zero charge	intermediate charge	full charge		
158.1 kHz which is the worst case within the operation frequency range	20	Side 1	0.759	0.638	0.323	0.815	0.163
		Side 2	1.031	0.866	0.438		
		Side 3	0.615	0.516	0.262		
		Side 4	1.030	0.866	0.440		
		Top	0.213	0.179	0.090		



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E-loading has been charged at unload, half load and full load.

Electric Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			unload	Half load	full load		
157.6 kHz which is the worst case within the operation frequency range	20	Side 1	0.033	0.510	0.670	307	61.4
		Side 2	0.040	0.860	1.137		
		Side 3	0.049	0.631	0.835		
		Side 4	0.035	0.434	0.573		
		Top	0.031	0.293	0.390		

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

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			zero charge	intermediate charge	full charge		
158.1 kHz which is the worst case within the operation frequency range	20	Side 1	0.591	0.494	0.292	307	61.4
		Side 2	1.005	0.833	0.493		
		Side 3	0.737	0.610	0.355		
		Side 4	0.505	0.419	0.248		
		Top	0.343	0.283	0.171		





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8 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2404001350AT

- End of the Report -



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