



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800338302

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Human Exposure Report

Application No.: SZCR2508003383AT
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 Holywud Technology Co., Ltd
Address of Factory: 102, SED Bld, Technology Park, Nanshan District, Shenzhen, China 518000
Equipment Under Test (EUT):
EUT Name: Smart watch charger with USB-C Adapter
Model No.: XWC8-1040-WHT, XWC8-1040-16, XWC8-1040-RSG ♣
♣ Please refer to section 3 of this report which indicates which model was actually tested and which were electrically identical.
FCC ID: 2AHAS-XWC81040H
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2025-08-01
Date of Test: 2025-08-01 to 2025-08-08
Date of Issue: 2025-08-13

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

Kenx Xu

Keny Xu
EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-08-13		Original

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



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: 5V 1A; Wireless Output:2.5W Max.
Operation frequency:	321.441kHz to 322.245kHz
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.: XWC8-1040-WHT, XWC8-1040-16, XWC8-1040-RSG

Only the model XWC8-1040-WHT 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 color.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	Apple	A2244	REF. No.SEA05D14G
Watch	Apple	A2474	REF. No.SEA32A01
E-loading	YZB	A2244	Client supply



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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.



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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 Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2026/05/09
2	MAGPy-8H3D+E3D	SPEAG	MAGPy	SEM060-31	2026/02/21
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2026/02/21



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5 Test Results

5.1 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).

5.1.1 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.



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5.1.2 Measurement Data

The max output power =2.5W.

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	
322 kHz which is the worst case within the operation frequency range	20	Side 1	0.15	0.12	0.11	0.815
		Side 2	0.03	0.04	0.03	
		Side 3	0.07	0.05	0.05	
		Side 4	0.08	0.07	0.04	
		Top	0.04	0.02	0.03	

Electric Field Emissions

Operation Frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)
			Zero Charge	Intermediate Charge	Full Charge	
322 kHz which is the worst case within the operation frequency range	20	Side 1	0.19	0.17	0.16	307
		Side 2	0.05	0.04	0.02	
		Side 3	0.08	0.07	0.06	
		Side 4	0.11	0.09	0.10	
		Top	0.04	0.02	0.03	



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6 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2508003383AT

- End of the Report -



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