



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 1 of 12

Human Exposure Report

Application No.: SZCR2503001103AT
Applicant: JEM ACCESSORIES INC.
Address of Applicant: 32 Brunswick Avenue, Edison, New Jersey, United States 08817
Manufacturer: JEM ACCESSORIES INC.
Address of Manufacturer: 32 Brunswick Avenue Edison New Jersey US
Factory: SHENZHEN MAI XIN DA TECHNOLOGY CO.,LTD
Address of Factory: R704-706 ,FuTong No.1 International building,Gushu,Bao'an District,Shenzhen

Equipment Under Test (EUT):

EUT Name: wireless charger for iwatch
Model No.: XWC8-1047



FCC ID: 2AHAS-XWC81047M
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2025-03-21
Date of Test: 2025-03-25 to 2025-03-25
Date of Issue: 2025-03-27

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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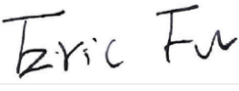
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Report No.: SZCR250300110302

Page: 2 of 12

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-03-27		Original

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



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 3 of 12

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	5
3.3	Test Location	6
3.4	Test Facility	6
3.5	Deviation from Standards	6
3.6	Abnormalities from Standard Conditions	6
4	Equipments Used during Test	7
5	Test Mode Description	9
6	Test Block Diagram	10
7	Test Results	11
7.1	RF Exposure test	11
7.1.1	E.U.T. Operation	12
7.1.2	Measurement Data	12



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 4 of 12

3 General Information

3.1 Details of E.U.T.

Power supply:	Input: 5V 1A; Wireless Output: 2.5W Max.
Cable(s):	Cable:95cm unshielded
Operation frequency:	320.3kHz to 322.9kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna

Remark 1: 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.



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 5 of 12

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:

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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.



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 7 of 12

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	2025/05/10
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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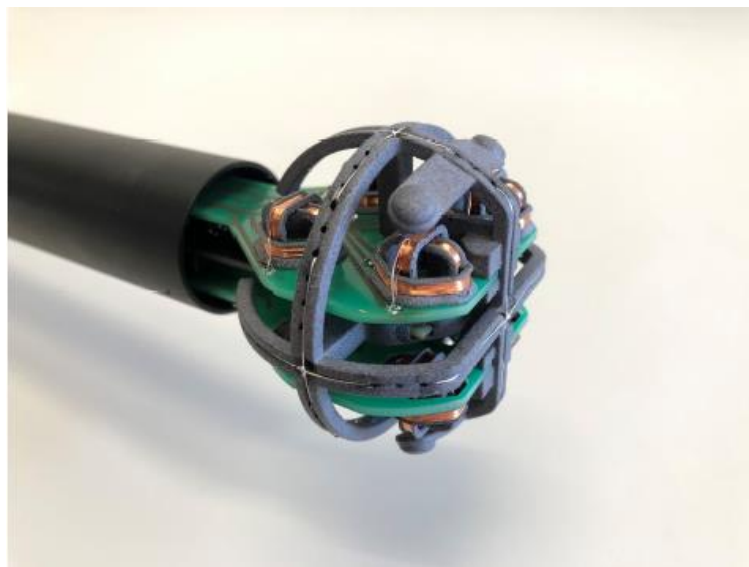
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Probe parameter:

Parameter	Specs
PROBE DESIGN	
Diameter	60 mm
8 isotropic <i>H</i> -field sensors	concentric loops of 1 cm ² arranged at the corner of a cube of 22 mm side length
1 isotropic <i>E</i> -field sensor	orthogonal dipole/monopole (arm length: 50 mm)
Measurement center	18.5 mm from the probe tip
Temperature range	0–40 °C
Dimensions	110 × 635 × 35 mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
<i>H</i>-FIELD SPECIFICATION	
Frequency range	3 kHz–10 MHz
Measurement range	0.1–3200 A/m, 0.12 μT–4 mT
Gradient range	0–80 T/m/T
<i>E</i>-FIELD SPECIFICATION	
Frequency range	3 kHz–10 MHz
Measurement range	0.08–2000 V/m



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 9 of 12

5 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge mode_Keep the EUT charging(2.5W)



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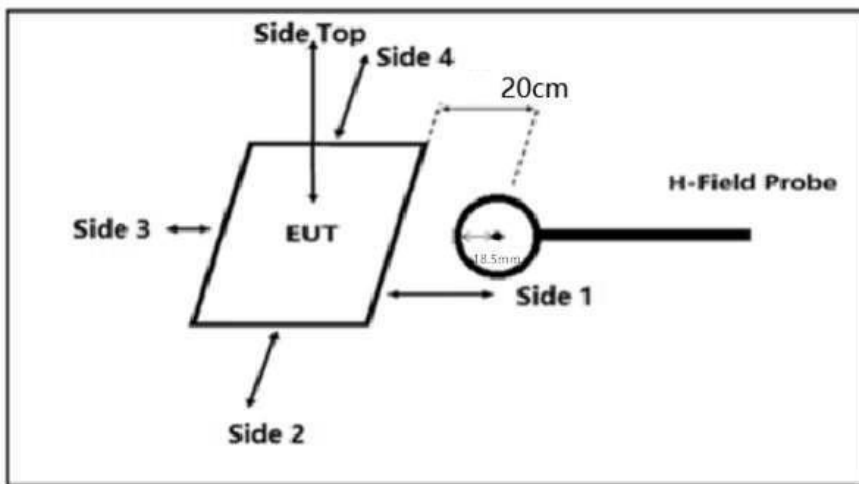
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6 Test Block Diagram



Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is 20cm from the center of the probe along all three axes of the device.



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 11 of 12

7 Test Results

7.1 RF Exposure test

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

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).



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300110302

Page: 12 of 12

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Measurement Data

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	
145 kHz which is the worst case within the operation frequency range	20	Side 1	0.105	0.089	0.044	0.815
		Side 2	0.052	0.044	0.020	
		Side 3	0.078	0.065	0.032	
		Side 4	0.055	0.046	0.024	
		Top	0.047	0.040	0.022	

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	
145 kHz which is the worst case within the operation frequency range	20	Side 1	0.049	0.041	0.022	307
		Side 2	0.026	0.022	0.011	
		Side 3	0.036	0.030	0.017	
		Side 4	0.027	0.023	0.012	
		Top	0.029	0.024	0.012	

- End of the Report -



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