



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000386703

Page: 1 of 12

Human Exposure Report

Application No.: SZCR2410003867AT
Applicant: Scosche Industries Inc
Address of Applicant: 1550 Pacific Ave, Oxnard, California 93033 United States
Manufacturer: Scosche Industries, Inc.
Address of Manufacturer: 1550 Pacific Ave., Oxnard CA, 93033 USA
Factory: Scosche Industries, Inc.
Address of Factory: 1550 Pacific Ave., Oxnard CA, 93033 USA
Equipment Under Test (EUT):
EUT Name: WatchIT™
Model No.: AWADPF, AWADPFWT-AP2 ♣
♣ Please refer to section 3.1 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: SCOSCHE
FCC ID: IKQAWADPF
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1093
KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2024-10-18
Date of Test: 2024-11-07 to 2024-11-28
Date of Issue: 2024-12-06

Test Result :

Pass*

* In the configuration tested, the EUT complied with the standards specified above

Keny Xu

Keny Xu
EMC Laboratory Manager



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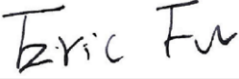
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-12-06		Original

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



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: 5V/1A Output: 4W Max
Operation Frequency:	326.5kHz, 1.778MHz
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.

Remark:

Model No.: AWADPF, AWADPFWT-AP2

The model AWADPFWT-AP2 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	Series 5	REF. No.SEA32A00
Watch	Apple	A2474	REF. No.SEA32A01
E-loading	SGS	N/A	REF. No.SEA42A00
Type-C Cable	SGS	N/A	REF. No.SEA07B00



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3.3 Test Location

All tests were performed at:

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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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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	2025/02/22
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2025/02/22



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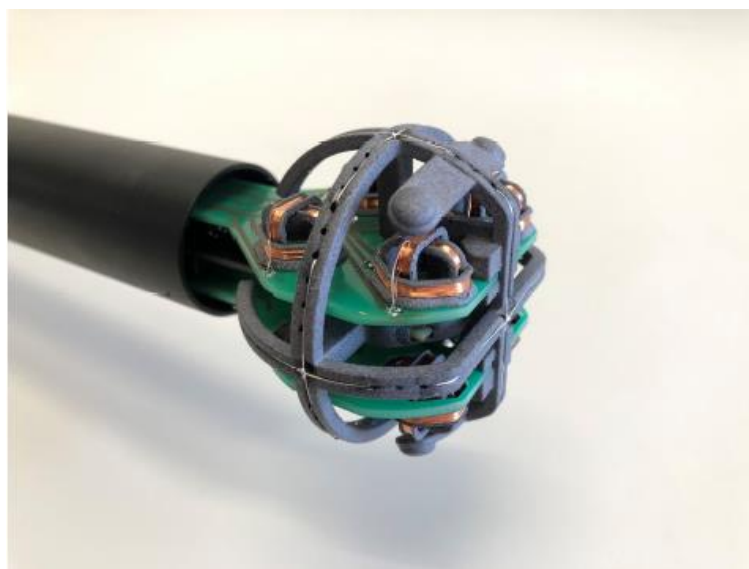
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Probe parameter:

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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5 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode in frequency 326.5KHz
Final test	01	TX mode_Keep the EUT in transmitting mode in frequency 1.778MHz



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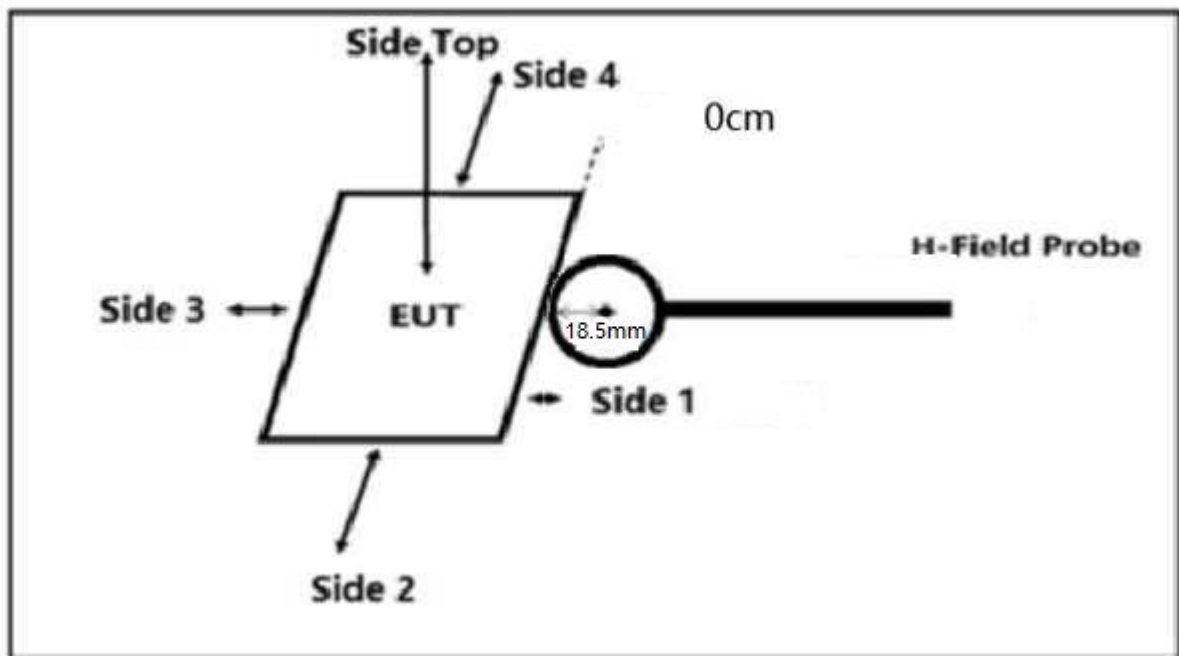
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6 Test Block Diagram



Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is 0cm from the center of the probe along all three axes of the device.



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7 Test Results

7.1 RF Exposure test

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

Measurement Distance: 0cm

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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7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C

Humidity: 52.9 % 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)
			unload	Half load	full load	
326.5 kHz which is the worst case within the operation frequency range	0	Side 1	0.517	0.556	0.644	0.815
		Side 2	0.487	0.615	0.634	
		Side 3	0.401	0.527	0.605	
		Side 4	0.547	0.474	0.560	
		Top	0.443	0.307	0.378	

Electric Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)
			unload	Half load	full load	
326.5 kHz which is the worst case within the operation frequency range	0	Side 1	7.919	12.791	15.298	307
		Side 2	6.683	14.027	16.541	
		Side 3	6.031	17.285	16.863	
		Side 4	8.459	11.889	16.092	
		Top	8.099	10.082	13.136	



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Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			50 % Limit (A/m)
			unload	Half load	full load	
1.778MHz which is the worst case within the operation frequency range	0	Side 1	0.418	0.376	0.350	0.815
		Side 2	0.506	0.467	0.412	
		Side 3	0.340	0.303	0.286	
		Side 4	0.499	0.476	0.419	
		Top	0.394	0.375	0.347	

Electric Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)
			unload	Half load	full load	
1.778MHz which is the worst case within the operation frequency range	0	Side 1	8.680	9.199	9.900	307
		Side 2	8.744	9.981	10.311	
		Side 3	9.210	9.995	10.854	
		Side 4	8.192	9.738	10.188	
		Top	7.117	8.461	8.757	

- End of the Report -



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