



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240800304602

Page: 1 of 12

# Human Exposure Report

Application No.:	SZCR2408003046AT
Applicant:	Scosche Industries Inc.
Address of Applicant:	1550 Pacific Ave. Oxnard, 93033, California, United States of America
Manufacturer:	Scosche Industries Inc.
Address of Manufacturer:	1550 Pacific Ave. Oxnard, 93033, California, United States of America
Factory:	Scosche Industries Inc.
Address of Factory:	Hamlet Ve, Dong Tam Commune, Ninh Giang District, Hai Duong Province, Viet Nam
Equipment Under Test (EUT):	
EUT Name:	Baselyn2 (Gen 2) Qi2 with MPP Wireless Charging Stand Module
Model No.:	BL2QM
•	Scosche
FCC ID:	IKQBL2QM
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:	2024-08-06
Date of Test:	2024-10-08 to 2024-11-12
Date of Issue:	2025-04-25

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		2025-04-25		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:	AC 120V/60Hz
Cable(s):	AC cable: 180cm unshielded
Operation frequency:	Output1: 114.4kHz to 147.8kHz & 356.8kHz to 369.4kHz Output2: 110.4kHz to 146.2kHz
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.

Remark 2: when this device output 5/7.5/10W, the operation frequency range is 114.4kHz to 147.8kHz; when this device output 15W, the operation frequency range is 356.8kHz to 369.4kHz.

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Earphone	Apple	A2566	REF. No.SEA10D00
iPhone 15Pro	Apple	A3104	REF. No.SEA16Q02
iPhone 8	Apple	A1863	REF. No.SEA16J00
Mobile Phone	SAMSUNG	SM-G9500	REF. No.SEA16J00
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P00



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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.

### 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	2026/02/21
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2026/02/21

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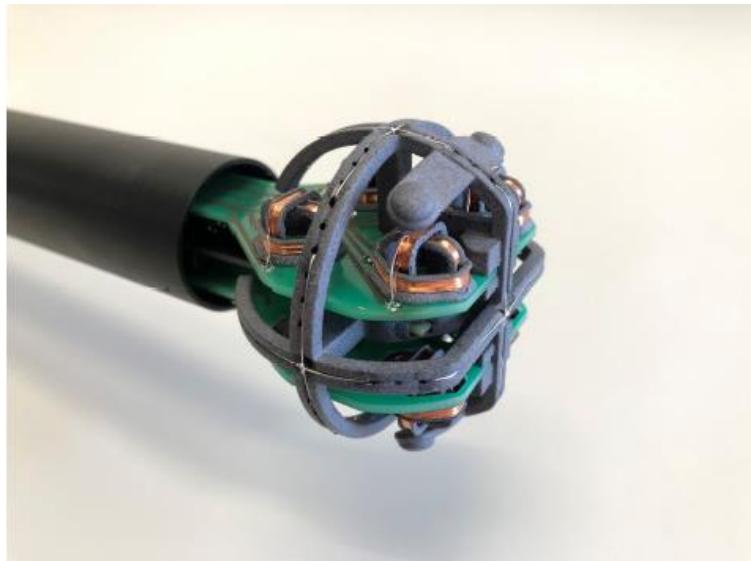
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## Probe parameter:

Parameter	Specs
<b>PROBE DESIGN</b>	
Diameter	60 mm
8 isotropic <i>H</i> -field sensors	concentric loops of 1 cm <sup>2</sup> 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)
<b><i>H</i>-FIELD SPECIFICATION</b>	
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
<b><i>E</i>-FIELD SPECIFICATION</b>	
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
Pre-scan	00	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W).
Pre-scan	01	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W).
Pre-scan	02	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W).
Pre-scan	03	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W).
Pre-scan	04	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 5W+Output2: 5W).
Pre-scan	05	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 7.5W+Output2: 5W).
Pre-scan	06	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 10W+Output2: 5W).
Final test	07	Operation(Wireless):Keep the EUT pairing with other devices(Output1: 15W+Output2: 5W).



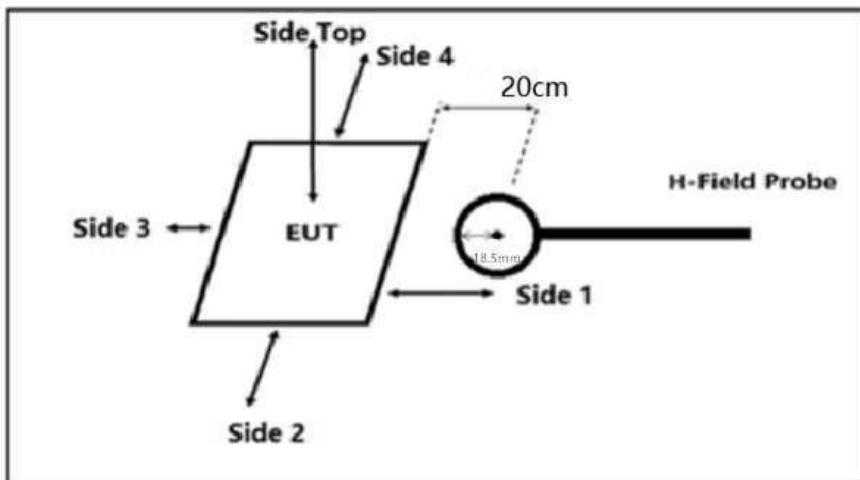
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## 6 Test Block Diagram

**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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## 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 <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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: 22.5 °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	0.047	0.070	0.081	0.815
		Side 2	0.032	0.038	0.042	
		Side 3	0.034	0.051	0.060	
		Side 4	0.038	0.045	0.047	
		Top	0.036	0.033	0.042	

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	0.102	0.086	0.043	0.815
		Side 2	0.055	0.046	0.022	
		Side 3	0.077	0.064	0.031	
		Side 4	0.055	0.046	0.023	
		Top	0.046	0.039	0.019	

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## 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	0.04	1.74	2.30	307
		Side 2	0.04	0.97	1.29	
		Side 3	0.04	0.74	0.98	
		Side 4	0.04	1.16	1.54	
		Top	0.04	1.06	1.41	

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	2.03	1.69	0.99	307
		Side 2	1.14	0.94	0.56	
		Side 3	0.87	0.72	0.42	
		Side 4	1.36	1.13	0.66	
		Top	1.24	1.03	0.61	

- End of the Report -

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