



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 1 of 12

# Human Exposure Report

**Application No.:** SZCR2406002259AT  
**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 California 93033 United States  
**Factory:** Scosche Industries, Inc  
**Address of Factory:** 1550 Pacific Ave Oxnard California 93033 United States  
**Equipment Under Test (EUT):**  
**EUT Name:** Wireless Car Charger  
**Model No.:** MEQMR, MEQMRWD, MEQMRSRM, MEQMRAMPS, MEQMRWDV, MEQM, MEQMSRM, MEQMSRM-AP2  
♣ Please refer to section 3 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade Mark:** SCOSCHE  
**FCC ID:** IKQMEQM  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
KDB680106 D01 Wireless Power Transfer V04  
**Date of Receipt:** 2024-06-12  
**Date of Test:** 2024-07-01 to 2024-08-16  
**Date of Issue:** 2024-08-19

|                      |              |
|----------------------|--------------|
| <b>Test Result :</b> | <b>Pass*</b> |
|----------------------|--------------|

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

Keny Xu

Keny Xu  
EMC Laboratory Manager



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



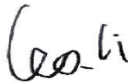
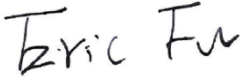
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 2 of 12

| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2024-08-19 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgs.com](http://www.sgs.com)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 3 of 12

## 2 Contents

|                                                 |    |
|-------------------------------------------------|----|
| .....                                           | 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 .....              | 7  |
| 3.6 ABNORMALITIES FROM STANDARD CONDITIONS..... | 7  |
| 4 EQUIPMENTS USED DURING TEST.....              | 7  |
| 5 TEST MODE DESCRIPTION.....                    | 7  |
| 6 TEST BLOCK DIAGRAM.....                       | 8  |
| 7 TEST RESULTS .....                            | 9  |
| 7.1 RF EXPOSURE TEST .....                      | 9  |
| 7.1.1 E.U.T. Operation .....                    | 10 |
| 8 TEST SETUP PHOTOS.....                        | 12 |



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 4 of 12

### 3 General Information

#### 3.1 Details of E.U.T.

|                      |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Power supply:        | Input: DC 5V/3A, 9V/2.22A<br>Output: 15W Max                         |
| Cable(s):            | Type-C cable 1: 120cm unshielded<br>Type-C cable 2: 150cm unshielded |
| Operation frequency: | 114.4kHz to 128.8kHz & 356.8kHz to 369.6kHz                          |
| Modulation type:     | Load modulation                                                      |
| Antenna type:        | Loop Antenna                                                         |
| Duty cycle:          | 100%                                                                 |

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 128.8kHz; when this device output 15W, the operation frequency range is 356.8kHz to 369.6kHz.

Remark 3: the EUT was powered by CPDCC40M and CPDC20 car charger.all power input voltages(DC 5V/3A, 9V/2.22A) and all output powers have been tested. The worst-case testing data were recorded in this report.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgs.com](http://www.sgs.com)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 5 of 12

### Declaration of EUT Family Grouping:

Model No.: MEQMR, MEQMRWD, MEQMRSRM, MEQMRAMPS,  
MEQMRWDV, MEQM, MEQMSRM, MEQMSRM-AP2

Only the model MEQMR 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 packing method, accessories, appearance shape and model name.

### 3.2 Description of Support Units

| Description     | Manufacturer | Model No. | Serial No.       |
|-----------------|--------------|-----------|------------------|
| DC power supply | ZHAOXIN      | PS-3005D  | REF. No.SEA27B01 |
| iPhone 15Pro    | Apple        | A3104     | REF. No.SEA16Q02 |
| iPhone 8        | Apple        | A1863     | REF. No.SEA16J00 |
| Mobile Phone    | Nexus        | MRA58K    | REF. No.SEA16P00 |
| Mobile Phone    | SAMSUNG      | SM-G9500  | REF. No.SEA16J00 |



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing & Calibration Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)





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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 6 of 12

### 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 7 of 12

### 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 mobile phone is charging at 1% battery power(CPDCC40M)  |
| Pre-scan              | 01        | Charge mode_Keep the mobile phone is charging at 50% battery power(CPDCC40M) |
| Pre-scan              | 02        | Charge mode_Keep the mobile phone is charging at 99% battery power(CPDCC40M) |
| Final test            | 03        | Charge mode_Keep the EUT continuous charging(15W)(CPDCC40M)                  |

Remark 1:

1 H-field data were measured in minimal increments of 2cm from the edge of the device along all three axes of the device, from 0cm to 20cm, one axis is consistent with the axis of the main coil, all mode an distance have been fully tested.

2 Mode 03 is a special product sample provided by the customer for this test, which allows the equipment to operate at the maximum power(15W) without a client device.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

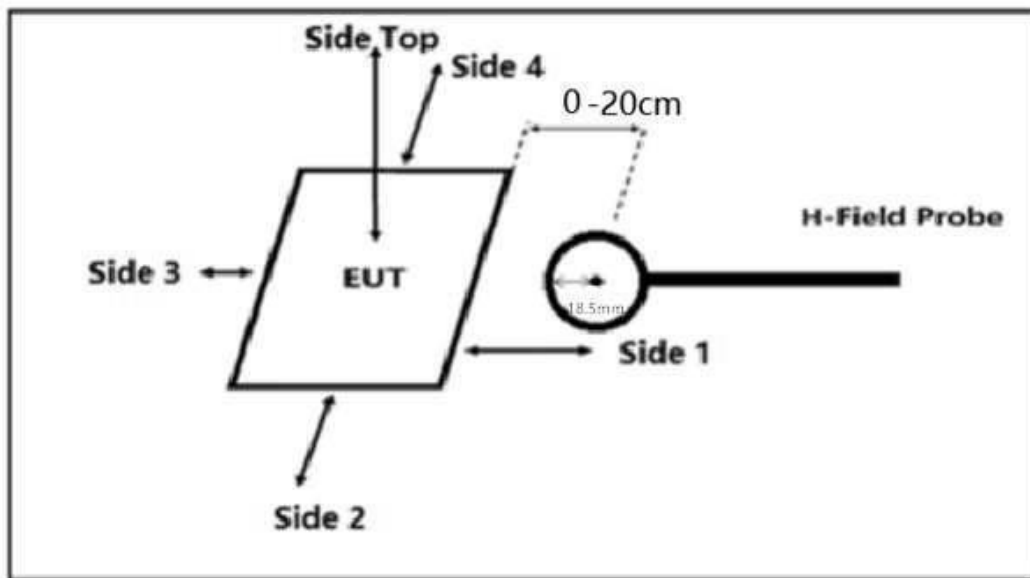
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

## 6 Test Block Diagram



### Remark:

- 1 The RF exposure test is performed in the anechoic chamber.
- 2 The test distance is measured from the center of the probe along all three axes of the device, from 0cm to 20cm, from the edge of the device coil in minimum 2cm increments.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 9 of 12

## 7 Test Results

### 7.1 RF Exposure test

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

Measurement Distance: 0-20cm

Limit:

| Frequency range<br>(MHz)                                | Electric field strength<br>(V/m) | Magnetic field strength<br>(A/m) | Power density<br>(mW/cm <sup>2</sup> ) | Averaging time<br>(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 <sup>2</sup> )                 | 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 <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).



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 10 of 12

### 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 Position | Probe Measure Result (A/m) |       |       |       |       |       |       |       |       |       | Limits: (A/m) |
|---------------------------------------------------------------------------|---------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
|                                                                           |               | 2cm                        | 4cm   | 6cm   | 8cm   | 10cm  | 12cm  | 14cm  | 16cm  | 18cm  | 20cm  |               |
| 360.5 kHz<br>which is the worst case within the operation frequency range | Side 1        | 0.895                      | 0.356 | 0.087 | 0.034 | 0.023 | 0.019 | 0.013 | 0.009 | 0.005 | 0.001 | 1.63          |
|                                                                           | Side 2        | 0.967                      | 0.435 | 0.079 | 0.045 | 0.034 | 0.022 | 0.017 | 0.008 | 0.006 | 0.001 |               |
|                                                                           | Side 3        | 0.934                      | 0.404 | 0.088 | 0.041 | 0.027 | 0.019 | 0.014 | 0.007 | 0.004 | 0.001 |               |
|                                                                           | Side 4        | 0.872                      | 0.389 | 0.064 | 0.029 | 0.018 | 0.011 | 0.009 | 0.004 | 0.002 | 0.001 |               |
|                                                                           | Top           | 1.178                      | 0.593 | 0.102 | 0.064 | 0.037 | 0.029 | 0.018 | 0.011 | 0.008 | 0.002 |               |

#### Electric Field Emissions

| Operation Frequency                                                       | Test Position | Probe Measure Result (V/m) |        |       |       |       |       |       |       |       |       | Limits: (V/m) |
|---------------------------------------------------------------------------|---------------|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
|                                                                           |               | 2cm                        | 4cm    | 6cm   | 8cm   | 10cm  | 12cm  | 14cm  | 16cm  | 18cm  | 20cm  |               |
| 360.5 kHz<br>which is the worst case within the operation frequency range | Side 1        | 17.872                     | 7.088  | 1.827 | 0.748 | 0.510 | 0.417 | 0.294 | 0.202 | 0.113 | 0.025 | 614           |
|                                                                           | Side 2        | 19.051                     | 9.259  | 1.666 | 0.987 | 0.741 | 0.494 | 0.383 | 0.174 | 0.136 | 0.030 |               |
|                                                                           | Side 3        | 20.093                     | 8.021  | 1.862 | 0.895 | 0.594 | 0.418 | 0.318 | 0.156 | 0.097 | 0.025 |               |
|                                                                           | Side 4        | 18.809                     | 7.840  | 1.351 | 0.646 | 0.413 | 0.260 | 0.212 | 0.087 | 0.054 | 0.027 |               |
|                                                                           | Top           | 24.451                     | 12.459 | 2.187 | 1.403 | 0.815 | 0.648 | 0.409 | 0.243 | 0.178 | 0.051 |               |

Remark: Refer to the MAGPy-8H3D+E3D specification, the center of the probe to the outer edge is 18.5mm, so the minimum test distance can only reach 2cm.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 11 of 12

### H-field strength at 0cm:

#### Validation:

To determine the H-field strength of 0cm, an extrapolation function by setting to probe tip in the software of MAGPy-8H3D+E3D probe.

The validation of the extrapolation is as follows:

| Operation Frequency                                                    | Test distance: (cm) | Estimated value: (A/m) (probe tip to EUT) | 30% tolerance(A/m) |       | Measured value (A/m) (probe center to EUT) |
|------------------------------------------------------------------------|---------------------|-------------------------------------------|--------------------|-------|--------------------------------------------|
|                                                                        |                     |                                           | Min                | Max   |                                            |
| 360.5 kHz which is the worst case within the operation frequency range | 1.85                | 1.242                                     | 0.870              | 1.615 | <b>1.226</b>                               |
|                                                                        | 3.85                | 0.673                                     | 0.611              | 0.875 | <b>0.838</b>                               |
|                                                                        | 5.85                | 0.114                                     | 0.080              | 0.148 | <b>0.102</b>                               |

#### Remark:

- 1 According to KBD 680106 D01 V04, the validation is considered sufficient if a 30% agreement between the Estimated value and the (E-field and H-field) probe measurements is demonstrated.
- 2 Estimated value obtained from the tip function of the probe.

| Operation Frequency                                                    | Test Distance (cm) | Test Position | Estimated Result (A/m) | Limits: (A/m) |
|------------------------------------------------------------------------|--------------------|---------------|------------------------|---------------|
| 360.5 kHz which is the worst case within the operation frequency range | 0                  | Side 1        | 1.023                  | <b>1.63</b>   |
|                                                                        |                    | Side 2        | 1.045                  |               |
|                                                                        |                    | Side 3        | 1.032                  |               |
|                                                                        |                    | Side 4        | 1.028                  |               |
|                                                                        |                    | Top           | 1.342                  |               |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600225903

Page: 12 of 12

## 8 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR22406002259AT.

- End of the Report -



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)