

# RF EXPOSURE EVALUATION REPORT

**Application No.:** GZCR2309000932HS  
**Applicant:** Shenzhen Smoore Technology Limited  
**Address of Applicant:** No.16, Dongcai Industrial Zone, Gushu Community, Xixiang Street, Baoan District, Shenzhen, China  
**Manufacturer:** Shenzhen Smoore Technology Limited  
**Address of Manufacturer:** No.16, Dongcai Industrial Zone, Gushu Community, Xixiang Street, Baoan District, Shenzhen, China  
**Factory:** Shenzhen Smoore Technology Limited  
**Address of Factory:** No.16, Dongcai Industrial Zone, Gushu Community, Xixiang Street, Baoan District, Shenzhen, China  
**Equipment Under Test (EUT):**  
**EUT Name:** Concentrate Vaporizer  
**Model No.:** DB04 (Roamer)  
**Trade Mark:** AUXO  
**Standard(s) :** KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2023-09-12  
**Date of Evaluation:** 2023-09-22 to 2023-09-22  
**Date of Issue:** 2023-10-12

**Evaluation Result:**

**Pass\***

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



Ricky Liu  
Manager



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SGS-CSTC Standards Technical Services Co., Ltd. No.198 Kexhu Road, Sciotech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn  
 Guangzhou Branch Testing Center EEC Laboratory. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

| Revision Record |                  |            |          |
|-----------------|------------------|------------|----------|
| Version         | Report No.       | Date       | Remark   |
| 01              | GZCR230900093203 | 2023-10-12 | Original |
|                 |                  |            |          |
|                 |                  |            |          |

|                          |  |                              |  |
|--------------------------|--|------------------------------|--|
| Authorized for issue by: |  |                              |  |
|                          |  | Kevin Zhang                  |  |
|                          |  | Kevin Zhang/Project Engineer |  |
|                          |  | Vico Cui                     |  |
|                          |  | Vico Cui/Reviewer            |  |



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## 2 Evaluation Summary

| Item        | Standard   | Method  | Requirement   | Result |
|-------------|--|---|---|--------|
| RF Exposure | KDB447498D01<br>General RF<br>Exposure<br>Guidance v06 | KDB447498D01<br>General RF Exposure<br>Guidance v06 | KDB447498D01 General<br>RF Exposure Guidance<br>v06 | Pass   |

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC 7.4 V powered by built-in battery as below:  
Model: 753128-2S  
Rated: DC 7.4 V, 4.44Wh  
Cable(s): Type C charging ports  
Operation Frequency: 2402MHz to 2480MHz  
Bluetooth Version: V5.3 LE  
Modulation Type: GFSK  
Number of Channels: 40  
Channel Spacing: 2MHz  
Antenna Type: Chip Antenna  
Antenna Gain: 1.72 dBi max  
Antenna Number: 1

### 4.2 Evaluating Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.



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## 4.3 Facility

The facility is recognized, certified, or accredited by the following organizations:

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.4 Deviation from Standards

None

## 4.5 Abnormalities from Standard Conditions

None



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## 5 Technical Requirements Specification

### 5.1 RF Exposure Evaluation

#### 5.1.1 Limit & Test Method

KDB447498D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$\left[ \frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion

#### 5.1.2 Conclusion

|   |   |                              |       |                      |
|---|---|------------------------------|-------|----------------------|
| The Maximum Conducted Peak Output Power is  | 0.9   | dBm in channel               | 2.480 | GHz;                 |
| 0.9   | dBm logarithmic terms convert to numeric result is nearly | 1.23                         | mW    |                      |
| [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · $\sqrt{f(\text{GHz})}$ |   |                              |       |                      |
| General RF Exposure = (   | 1.230   | mW / 5 mm ) x $\sqrt{\quad}$ | 2.480 | GHz = <b>0.387</b> ; |
|   |   | SAR requirement:             | S =   | <b>3.0</b> ;         |
| ∵ $0.387 < 3.0$ ∴ the SAR report is not required.   |   |                              |       |                      |

Note: Refer to report No. GZCR230900093202 for EUT test Max Conducted Peak Output Power value.

## 6 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2309000932HS

- End of the Report -