

## RF Exposure Evaluation Report

**Product** : Multi-Function Effect Processor  
**Trade mark** : M-VAVE, GEAR4MUSIC, SubZero,  
CASON, DONNER, EROK, GOKKO,  
Gopherwood, LEKATO  
**Model/Type reference** : TANK PRO, PD47, GMX-300, Tank  
pro, MX300D  
**Serial Number** : N/A  
**Report Number** : EED32S809097  
**FCC ID** : 2ARCP-TANKPRO  
**Date of Issue** : August 18, 2026  
**Test Standards** : 47 CFR Part 1.1307  
47 CFR Part 1.1310  
47 CFR Part 2.1093  
KDB 447498 D04 Interim General  
RF Exposure Guidance v01  
**Test result** : PASS

Prepared for:

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## 2 General Information

### 2.1 Client Information

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Applicant:               | Sinco Intelligent Technology Co., Ltd.                                                |
| Address of Applicant:    | Room 805-807, No.17, Wenheng Street, Sanzao Town, Jinwan District, Zhuhai City, China |
| Manufacturer:            | Sinco Intelligent Technology Co., Ltd.                                                |
| Address of Manufacturer: | Room 805-807, No.17, Wenheng Street, Sanzao Town, Jinwan District, Zhuhai City, China |
| Factory:                 | Sinco Intelligent Technology Co., Ltd.                                                |
| Address of Factory:      | Room 805-807, No.17, Wenheng Street, Sanzao Town, Jinwan District, Zhuhai City, China |

### 2.2 General Description of EUT

|                   |                                                                                                                                                                                                                                                             |                                                                     |                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------|
| Product Name:     | Multi-Function Effect Processor                                                                                                                                                                                                                             |                                                                     |                                                                 |
| Model No.:        | TANK PRO, PD47, GMX-300,Tank pro, MX300D                                                                                                                                                                                                                    |                                                                     |                                                                 |
| Test Model No.:   | TANK PRO                                                                                                                                                                                                                                                    |                                                                     |                                                                 |
| Model difference: | That any of production units bearing the following model numbers have same electrical, PCB and layout, only the model name, Color and Model are different for marketing requirements.What needs to be modified should be consistent. See below for details. |                                                                     |                                                                 |
|                   | (Optional):                                                                                                                                                                                                                                                 |                                                                     |                                                                 |
|                   | Model                                                                                                                                                                                                                                                       | Similarities                                                        | Differences                                                     |
|                   | TANK PRO                                                                                                                                                                                                                                                    | The rated input current/voltage/frequency/power are all consistent. | Apart from the color and model, there are no other differences. |
|                   | PD47                                                                                                                                                                                                                                                        |                                                                     |                                                                 |
|                   | GMX-300                                                                                                                                                                                                                                                     |                                                                     |                                                                 |
|                   | Tank pro                                                                                                                                                                                                                                                    |                                                                     |                                                                 |
| MX300D            |                                                                                                                                                                                                                                                             |                                                                     |                                                                 |
| Trade Mark:       | M- VAVE, GEAR4MUSIC, SubZero, CASON, DONNER, EROK, GOKKO, Gopherwood, LEKATO                                                                                                                                                                                |                                                                     |                                                                 |

### 2.3 Product Specification subjective to this standard

|                       |                                             |                   |
|-----------------------|---------------------------------------------|-------------------|
| Frequency Range:      | BLE/BT: 2402MHz~2480MHz                     |                   |
| Modulation Type:      | BLE: GFSK<br>BT: GFSK, $\pi/4$ DQPSK, 8DPSK |                   |
| Test Power Grade:     | Default                                     |                   |
| Test Software of EUT: | FCC_assist_v1.1.5.exe                       |                   |
| Antenna Type:         | Monopole Antenna                            |                   |
| Antenna Gain:         | 3.04dBi                                     |                   |
| Power Supply:         | Adapter:                                    | DC 5V 1A          |
|                       | Battery:                                    | DC 3.7V ,3000 mAh |
| Sample Received Date: | May 22, 2026                                |                   |
| Sample tested Date:   | May 22, 2026 to Jul. 09, 2026               |                   |

## 2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164, Test Firm Registration No.: 260439

## 2.5 Deviation from Standards

None.

## 2.6 Abnormalities from Standard Conditions

None.

## 2.7 Other Information Requested by the Customer

None.

### 3 SAR Evaluation

#### 3.1 RF Exposure Compliance Requirement

##### 3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

##### 3.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

**3.1.3 EUT RF Exposure Evaluation****For Stand alone:**

| Band | Freq.<br>(MHz) | Estimation<br>distance<br>(cm) | Max.<br>Conducted<br>Output<br>power<br>(dBm) | Antenna<br>Gain<br>(dBi) | ERP<br>(dBm) | ERP<br>(mW) | Limit<br>(mW) | MPE<br>ratio | Result |
|------|----------------|--------------------------------|-----------------------------------------------|--------------------------|--------------|-------------|---------------|--------------|--------|
| BLE  | 2440           | 0.5                            | -3.05                                         | 3.04                     | -2.16        | 0.61        | 2.753         | 0.2209       | Pass   |
| BT   | 2441           | 0.5                            | -1.76                                         | 3.04                     | -0.87        | 0.82        | 2.752         | 0.2974       | Pass   |

**Note:**

- ① EIRP=conducted power+antenna gain;
- ②  $ERP = EIRP - 2.15$ ;
- ③  $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$ ;
- ④  $ERP(mW) = 10^{(ERP(dBm)/10)}$ ;
- ⑤ The estimation distance is 0.5cm;
- ⑥ The test data please refer to the report of EED32S809099, EED32S809100 and only the worst case data was recorded in the report.

## Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
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\*\*\* End of Report \*\*\*