

# RF Exposure Evaluation Report

**Product** : Silencer BT 2.0  
**Trade mark** : Walker's  
**Model/Type reference** : GWP-SLCR2-BT-V2  
**Serial Number** : N/A  
**Report Number** : EED32N81130403  
**FCC ID** : 2AU3A-GWPSLCR2BT2  
**Date of Issue** : Nov. 25, 2021  
**Test Standards** : 47 CFR Part 1.1307  
47 CFR Part 2.1093  
KDB447498D01 General RF  
Exposure Guidance v06  
**Test result** : PASS

Prepared for:

**Good Sportsman Marketing.LLC**  
**5250 Frye Road Irving.TX 75061**

Prepared by:

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Date:

Nov. 25, 2021

Check No.: 9617021121



## 1 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | Nov. 25, 2021 | Original    |
|             |               |             |
|             |               |             |

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### 3 General Information

#### 3.1 Client Information

|                          |                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------|
| Applicant:               | Good Sportsman Marketing.LLC                                                                |
| Address of Applicant:    | 5250 Frye Road Irving.TX 75061                                                              |
| Manufacturer:            | Good Sportsman Marketing.LLC                                                                |
| Address of Manufacturer: | 5250 Frye Road Irving.TX 75061                                                              |
| Factory:                 | Concord Intelligent Technology (Huizhou) Ltd.                                               |
| Address of Factory:      | 25, Ping An Rd, Shuikou Street, Hui Cheng District, Huizhou City, Guangdong Province, China |

#### 3.2 General Description of EUT

|                                                                                                                                                                                              |                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Product Name:                                                                                                                                                                                | Silencer BT 2.0                                                                                                    |
| Mode No.:                                                                                                                                                                                    | GWP-SLCR2-BT-V2                                                                                                    |
| Trade mark:                                                                                                                                                                                  | Walker's                                                                                                           |
| EUT Supports Radios application:                                                                                                                                                             | Bluetooth 5.0 dual mode: 2402-2480MHz                                                                              |
| Bluetooth Version:                                                                                                                                                                           | V5.0                                                                                                               |
| Product Type:                                                                                                                                                                                | <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location |
| Power Supply:                                                                                                                                                                                | Battery: DC 3.8V, Charge by DC 5.0V                                                                                |
| Test Voltage:                                                                                                                                                                                | DC 3.8V                                                                                                            |
| Sample Received Date:                                                                                                                                                                        | Nov. 03, 2021                                                                                                      |
| Sample tested Date:                                                                                                                                                                          | Nov. 03, 2021 to Nov. 10, 2021                                                                                     |
| Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. |                                                                                                                    |

#### 3.3 General Description of BLE

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Operation Frequency: | 2402MHz~2480MHz                                                          |
| Modulation Type:     | GFSK                                                                     |
| Transfer Rate:       | <input checked="" type="checkbox"/> 1Mbps <input type="checkbox"/> 2Mbps |
| Number of Channel:   | 40                                                                       |
| Antenna Type:        | FPC Antenna                                                              |
| Antenna Gain:        | 0.8dBi                                                                   |

#### 3.4 General Description of BT Classic

|                       |                                         |
|-----------------------|-----------------------------------------|
| Operation Frequency:  | 2402MHz~2480MHz                         |
| Modulation Technique: | Frequency Hopping Spread Spectrum(FHSS) |
| Modulation Type:      | GFSK, $\pi/4$ DQPSK, 8DPSK              |
| Number of Channel:    | 79                                      |
| Hopping Channel Type: | Adaptive Frequency Hopping systems      |
| Antenna Type:         | FPC Antenna                             |
| Antenna Gain:         | 0.8dBi                                  |

## 3.5 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

## 3.6 Deviation from Standards

None.

## 3.7 Abnormalities from Standard Conditions

None.

## 3.8 Other Information Requested by the Customer

None.

## 4 SAR Evaluation

### 4.1 RF Exposure Compliance Requirement

#### 4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06  
Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### Limits

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

#### 4.1.2 EUT RF Exposure

##### 1) For BLE

##### Measurement Data

| GFSK mode(Left ear)  |                            |                            |                       |       |
|----------------------|----------------------------|----------------------------|-----------------------|-------|
| Test channel         | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                      |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)      | 5.04                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |
| Middle(2440MHz)      | 5.06                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |
| Highest(2480MHz)     | 5.14                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |
| GFSK mode(Right ear) |                            |                            |                       |       |
| Test channel         | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                      |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)      | 5.16                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |
| Middle(2440MHz)      | 5.17                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |
| Highest(2480MHz)     | 5.14                       | $5.0 \pm 0.5$              | 5.5                   | 3.548 |

| Worst case: GFSK (Right ear)                            |                                                    |                               |                           |       |                     |                        |
|---------------------------------------------------------|----------------------------------------------------|-------------------------------|---------------------------|-------|---------------------|------------------------|
| Channel                                                 | Maximum Peak<br>Conducted<br>Output Power<br>(dBm) | Tune up<br>tolerance<br>(dBm) | Maximum tune-<br>up Power |       | Calculated<br>value | Exclusion<br>threshold |
|                                                         |                                                    |                               | (dBm)                     | (mW)  |                     |                        |
| Lowest<br>(2402MHz)                                     | 5.16                                               | 5.0±0.5                       | 5.5                       | 3.548 | 1.10                | 3.0                    |
| Middle<br>(2440MHz)                                     | 5.17                                               | 5.0±0.5                       | 5.5                       | 3.548 | 1.11                |                        |
| Highest<br>(2480MHz)                                    | 5.14                                               | 5.0±0.5                       | 5.5                       | 3.548 | 1.12                |                        |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |                                                    |                               |                           |       |                     |                        |

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32N81130401.

**2) For BT Classic**
**Left ear:**
**Measurement Data**

| GFSK mode          |                            |                            |                       |       |
|--------------------|----------------------------|----------------------------|-----------------------|-------|
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 3.71                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 3.29                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.56                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| $\pi/4$ DQPSK mode |                            |                            |                       |       |
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 3.05                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 2.64                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.01                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| 8DPSK mode         |                            |                            |                       |       |
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 3.28                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 2.87                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.36                       | $3.0 \pm 1$                | 4.0                   | 2.512 |

| Worst case: GFSK mode                                          |                                                    |                               |                           |       |                     |                        |
|----------------------------------------------------------------|----------------------------------------------------|-------------------------------|---------------------------|-------|---------------------|------------------------|
| Channel                                                        | Maximum Peak<br>Conducted<br>Output Power<br>(dBm) | Tune up<br>tolerance<br>(dBm) | Maximum tune-<br>up Power |       | Calculated<br>value | Exclusion<br>threshold |
|                                                                |                                                    |                               | (dBm)                     | (mW)  |                     |                        |
| Lowest<br>(2402MHz)                                            | 3.71                                               | $3.0 \pm 1$                   | 4.0                       | 2.512 | 0.78                | 3.0                    |
| Middle<br>(2441MHz)                                            | 3.29                                               | $3.0 \pm 1$                   | 4.0                       | 2.512 | 0.78                |                        |
| Highest<br>(2480MHz)                                           | 2.56                                               | $3.0 \pm 1$                   | 4.0                       | 2.512 | 0.79                |                        |
| Conclusion: the calculated value $\leq 3.0$ , SAR is exempted. |                                                    |                               |                           |       |                     |                        |

**Right ear:**
**Measurement Data**

| GFSK mode          |                            |                            |                       |       |
|--------------------|----------------------------|----------------------------|-----------------------|-------|
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 3.54                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 3.25                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.72                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| $\pi/4$ DQPSK mode |                            |                            |                       |       |
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 2.99                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 2.54                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.07                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| 8DPSK mode         |                            |                            |                       |       |
| Test channel       | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |       |
|                    |                            |                            | (dBm)                 | (mW)  |
| Lowest(2402MHz)    | 3.25                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Middle(2441MHz)    | 3.05                       | $3.0 \pm 1$                | 4.0                   | 2.512 |
| Highest(2480MHz)   | 2.29                       | $3.0 \pm 1$                | 4.0                   | 2.512 |

| Worst case: GFSK mode                                   |                                                    |                               |                           |       |                     |                        |
|---------------------------------------------------------|----------------------------------------------------|-------------------------------|---------------------------|-------|---------------------|------------------------|
| Channel                                                 | Maximum Peak<br>Conducted<br>Output Power<br>(dBm) | Tune up<br>tolerance<br>(dBm) | Maximum tune-<br>up Power |       | Calculated<br>value | Exclusion<br>threshold |
|                                                         |                                                    |                               | (dBm)                     | (mW)  |                     |                        |
| Lowest<br>(2402MHz)                                     | 3.54                                               | 3.0±1                         | 4.0                       | 2.512 | 0.78                | 3.0                    |
| Middle<br>(2441MHz)                                     | 3.25                                               | 3.0±1                         | 4.0                       | 2.512 | 0.78                |                        |
| Highest<br>(2480MHz)                                    | 2.72                                               | 3.0±1                         | 4.0                       | 2.512 | 0.79                |                        |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |                                                    |                               |                           |       |                     |                        |

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32N81130402.

## PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32N81130401 for EUT external and internal photos.

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\*\*\* End of Report \*\*\*