

# RF EXPOSURE REPORT

Reference No..... : WTX26X06185028W003  
FCC ID..... : 2AGA6-SWOASL  
Applicant..... : Shenzhen AngSi Technology Co., LTD  
Address..... : 6/F, Block B, Ding Xin Science Park, Hong Lang North No.2 Road, Bao An District, ShenZhen PRC  
Manufacturer..... : SoundWorks, Inc.  
Address..... : 213 Ashford Dr, Spring Creek, NV 89815, USA  
Product Name..... : OontZ Angle Solo Gen 5  
Model No..... : SWOASLBK5  
Standards..... : FCC Rule Part 1.1307  
KDB 447498 D04  
Date of Receipt sample .... : 2026-06-27  
Date of Test..... : 2026-06-30 to 2026-07-04  
Date of Issue..... : 2026-07-18  
Report Form No. .... : WTX\_Part 1\_1307W  
Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

**Prepared By:**

**Waltek Testing Group (Shenzhen) Co., Ltd.**

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Tested by:

Tris Li

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Tris Li/Project Engineer

Approved by:

Jason Su

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Jason Su/Manager

## 1 General Information

### General Description of EUT:

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Product Name:     | OontZ Angle Solo Gen 5                                    |
| Trade Name        | OontZ                                                     |
| Model No.:        | SWOASLBK5                                                 |
| Adding Model(s):  | SWOASLRD5, SWOASLPK5, SWOASLBL5,<br>SWOASLWH5 , SWOASLCA5 |
| Rated Voltage:    | Input : 5V/1A<br>Battery: DC 3.7V                         |
| Battery Capacity: | 1800mAh                                                   |
| Adapter Model:    | /                                                         |
| Equipment Type:   | Portable device                                           |

### Technical Characteristics of EUT:

#### Bluetooth

|                       |                            |
|-----------------------|----------------------------|
| Bluetooth Version:    | V6.0(BR/EDR mode)          |
| Frequency Range:      | 2402-2480MHz               |
| RF Output Power:      | 2.48dBm (Conducted)        |
| Data Rate:            | 1Mbps, 2Mbps, 3Mbps        |
| Modulation:           | GFSK, $\pi/4$ DQPSK, 8DPSK |
| Quantity of Channels: | 79                         |
| Channel Separation:   | 1MHz                       |
| Type of Antenna:      | Chip Antenna               |
| Antenna Gain:         | 1.86dBi                    |

## 2 Test Facility

### Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

### FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

### Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

Waltek Testing Group (Shenzhen) Co., Ltd.  
[Http://www.waltek.com.cn](http://www.waltek.com.cn)

### 3 RF Exposure Exemption

According to §1.1307(b)(3) and KDB 447498 D04 Interim General RF Exposure Guidance v01, system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

**Option A:** FCC Rule Part 1.1307 (b)(3)(i)(A): The available maximum time-averaged power is no more than 1mW, regardless of separation distance.

**Option B:** FCC Rule Part 1.1307 (b)(3)(i)(B): The available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) described in the following formula.  $P_{th}$  is given by:

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

Where

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

and

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

$d$  = the separation distance (cm);

**Option C:** FCC Rule Part 1.1307 (b)(3)(i)(C): The minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. R must be at least  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters.

| Single RF Sources Subject to Routine Environmental Evaluation |                       |
|---------------------------------------------------------------|-----------------------|
| RF Source frequency (MHz)                                     | Threshold ERP (watts) |
| 0.3-1.34                                                      | $1,920 R^2$           |
| 1.34-30                                                       | $3,450 R^2/f^2$       |
| 30-300                                                        | $3.83 R^2$            |
| 300-1,500                                                     | $0.0128 R^2 f$        |
| 1,500-100,000                                                 | $19.2 R^2$            |

**For Multiple RF sources:** FCC Rule Part 1.1307(b)(3)(ii):

- (A) The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required).
- (B) In the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

#### 4 Calculated Result

| Radio Access Technology | Prediction Frequency (MHz) | Output Power (dBm) | Antenna Gain (dBi) | Duty Cycle (%) | Tune-Up Time-Averaged Power (dBm) | ERP (dBm) |
|-------------------------|----------------------------|--------------------|--------------------|----------------|-----------------------------------|-----------|
| Bluetooth               | 2402                       | 2.48               | 1.86               | 100            | 3.00                              | 2.71      |

| Frequency (MHz) | Option | Min. Distance (cm) | Max. Power (dBm) (mW) |      | Exposure Limit (mW) | Ratio | Result Pass/Fail |
|-----------------|--------|--------------------|-----------------------|------|---------------------|-------|------------------|
| 2402            | B      | 0.5                | 3.00                  | 2.00 | 2.788               | 0.72  | Pass             |

*Note: 1. Time-Averaged Power=Output Power \* Duty Cycle; ERP= Time-Averaged Power+ Antenna gain-2.15dB*

*2. Option A, B and C refers as clause 1.2.*

*3. For option B, Max (time-averaged power, effective radiated power (ERP)) converts to Max. Power. For option C, ERP converts to Max. Power;*

*4. For option B,  $P_{th}$  (mW) converts to Exposure Limit (mW); For option C, ERP (W) converts to Exposure Limit (mW).*

*5. Ratio= Tune-Up ERP (mW)/ Exposure Limit (mW)*

**Mode for Simultaneous Multi-band Transmission:**

| Radio Access Technology | Ratio 1 | Ratio 2 | Simultaneous Ratio | Limit | Result Pass/Fail |
|-------------------------|---------|---------|--------------------|-------|------------------|
| --                      | --      | --      | --                 | --    | --               |

Result: Pass