

# RF EXPOSURE EVALUATION REPORT

Report No.: SHE26030013-01CE

Date: 2026-05-15

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**Applicant** : UNIPRIME OUTDOORS LLC  
**Address of Applicant** : 9391 Bridgebrook Drive, Boca Raton, FL 33496, U.S.A

**Product Name** : Remote Control  
**Brand Name** : BLUEWING  
**Model Name** : WAHOO-68-RC  
**Sample No.** : E26030013-01#02

**FCC ID** : 2BU7W-WAHOO68  
**Standards** : FCC Part 2.1093

**Date of Receipt** : 2026-03-09  
**Date of Test** : 2026-05-13~2026-05-14  
**Date of Issue** : 2026-05-15

**Remark:**

*This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.*

Prepared by:



(Erik Yang)

Reviewed by:



(Jennifer Zhou)

Approved by:



(Authorized signatory: Echo Mu)

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## 1 General Information

### 1.1 Testing Laboratory

|              |                                                         |
|--------------|---------------------------------------------------------|
| Company Name | Shanghai Ingeer Testing Technology Co., Ltd.            |
| Address      | No.1298, Pingan Road, Minhang District, Shanghai, China |
| Telephone    | 0086 21-51682999                                        |

### 1.2 Details of Application

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Applicant Company Name       | UNIPRIME OUTDOORS LLC                                              |
| Applicant Company Address    | 9391 Bridgebrook Drive, Boca Raton, FL 33496, U.S.A                |
| Contact Person               | Jun Wan                                                            |
| Telephone                    | +1(617)480-9488                                                    |
| Email                        | sales@uniprimellc.com                                              |
| Manufacturer Company Name    | QINGDAO BOCA OUTDOORS CO.,LTD                                      |
| Manufacturer Company Address | 1F,BLDG.3,NO.26,KONGQUEHE 4TH ROAD,<br>JIMO DISTRICT,QINGDAO,CHINA |
| Factory Company Name         | QINGDAO BOCA OUTDOORS CO.,LTD                                      |
| Factory Company Address      | 1F,BLDG.3,NO.26,KONGQUEHE 4TH ROAD,<br>JIMO DISTRICT,QINGDAO,CHINA |

### 1.3 Details of EUT

|                     |                |
|---------------------|----------------|
| Product Name        | Remote Control |
| Brand Name          | BLUEWING       |
| Test Model Name     | WAHOO-68-RC    |
| FCC ID              | 2BU7W-WAHOO68  |
| Operating Frequency | 433.92MHz      |
| Modulation Type     | ASK            |
| Antenna Type        | PCB Antenna    |
| Antenna Gain        | -3dBi          |
| Hardware Version    | V2             |
| Software Version    | V2             |

Notes:

1. The above information was declared by the manufacture.
2. For more details, please refer to the User's manual of the EUT.

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## 2 Assessment methods

According to KDB 447498 D04 Interim General RF Exposure Guidance v01

Appendix B

Exemptions for Single RF Sources

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.

If the ERP of a device is not easily determined, such as for a portable device with a small form factor, the applicant may use the available maximum time-averaged power exclusively if the device antenna or radiating structure does not exceed an electrical length of  $\lambda/4$ .

As for devices with antennas of length greater than  $\lambda/4$  where the gain is not well defined, but always less than that of a half-wave dipole (length  $\lambda/2$ ), the available maximum time-averaged power generated by the device may be used in place of the maximum time-averaged ERP, where that value is not known.

The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna.

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  $P_{th}$  (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).  $P_{th}$  is given by Formula (B.2).

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

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  $ERP_{20 \text{ cm}}$  is per Formula (B.1).

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

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The example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

| Table B.2—Example Tower Thresholds (mW) |               |    |    |    |     |     |     |     |     |     |     |
|-----------------------------------------|---------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Frequency (MHz)                         | Distance (mm) |    |    |    |     |     |     |     |     |     |     |
|                                         |               | 5  | 10 | 15 | 20  | 25  | 30  | 35  | 40  | 45  | 50  |
|                                         | 300           | 39 | 65 | 88 | 110 | 129 | 148 | 166 | 184 | 201 | 217 |
|                                         | 450           | 22 | 44 | 67 | 89  | 112 | 135 | 158 | 180 | 203 | 226 |
|                                         | 835           | 9  | 25 | 44 | 66  | 90  | 116 | 145 | 175 | 207 | 240 |
|                                         | 1900          | 3  | 12 | 26 | 44  | 66  | 92  | 122 | 157 | 195 | 236 |
|                                         | 2450          | 3  | 10 | 22 | 38  | 59  | 83  | 111 | 143 | 179 | 219 |
|                                         | 3600          | 2  | 8  | 18 | 32  | 49  | 71  | 96  | 125 | 158 | 195 |
|                                         | 5800          | 1  | 6  | 14 | 25  | 40  | 58  | 80  | 106 | 136 | 169 |

## Test Data

| Mode                    | 433.92MHz            |
|-------------------------|----------------------|
|                         | ASK                  |
| Field strength (dBuV/m) | 55.93dBuV/m(peak)@3m |
| Peak Power (dBm)        | -39.27               |

Note: This report listed the worst case value, please refer to RF test Report No. SHE26030013-01AE Test Result Radiated Emission clause 4.1.4.

## 3 Conclusion

Per KDB 447498 D04 Interim General RF Exposure Guidance v01 Appendix B, when the minimum test separation distance is 5mm, a distance of 5mm is applied to determine SAR test exclusion. The test exclusion threshold is  $<23.17\text{mW}(f=0.43392\text{GHz})$ .

RF Maximum Output Power is  $-39.27\text{dBm}$ ;  $\text{ERP} = 0.000072\text{mW} < 23.17\text{mW}$

So SAR testing is not required. RF exposure Evaluation Results: Compliance

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## 4 Appendixes

### 4.1 External Photo of the Sample



Top view of EUT



Bottom view of EUT

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Front view of EUT



Back view of EUT

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Left view of EUT



Right view of EUT

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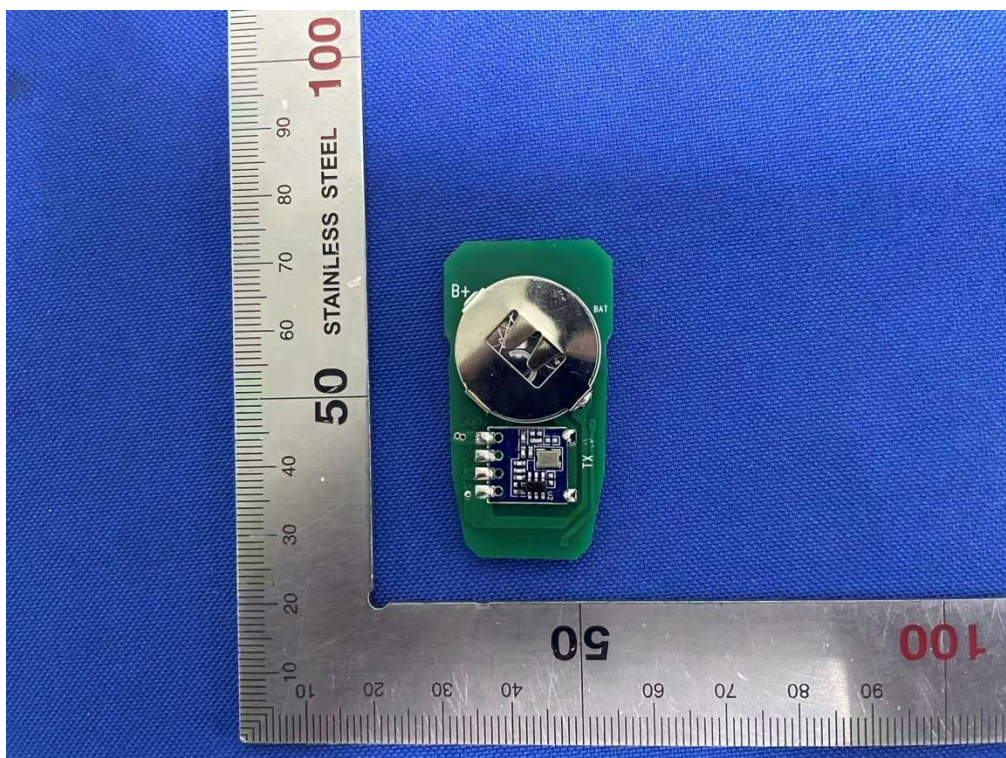
Date: 2026-05-15

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## 4.2 Internal Photo of the Sample



Open view of EUT



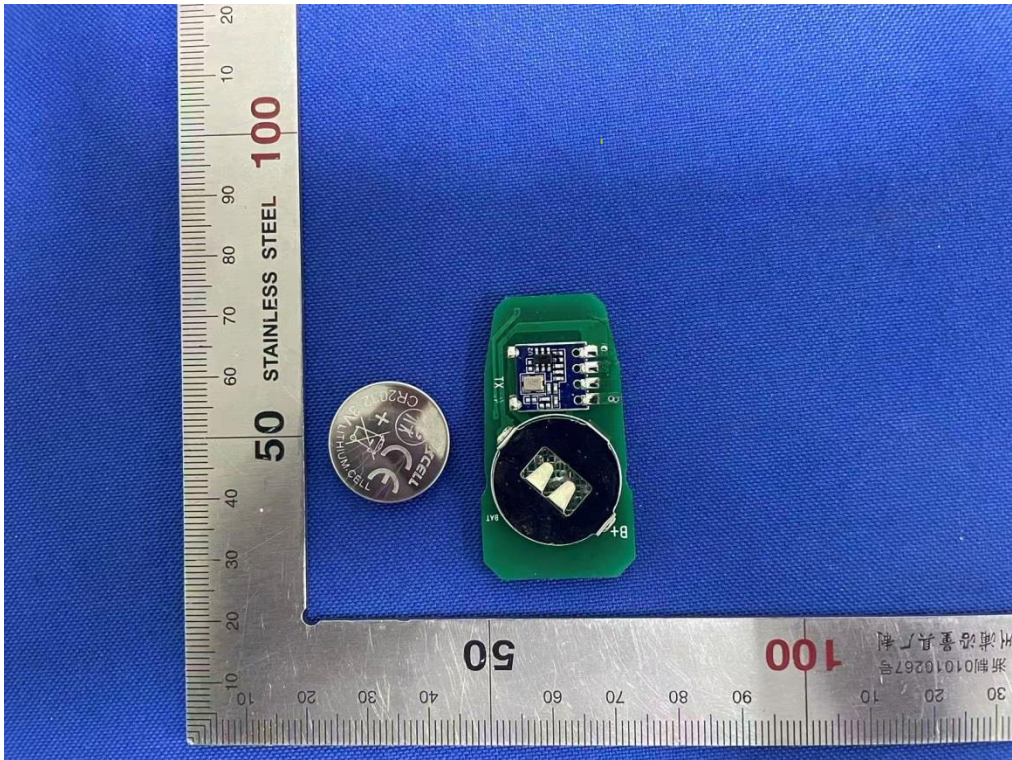
Internal view-1 of EUT

# RF EXPOSURE EVALUATION REPORT

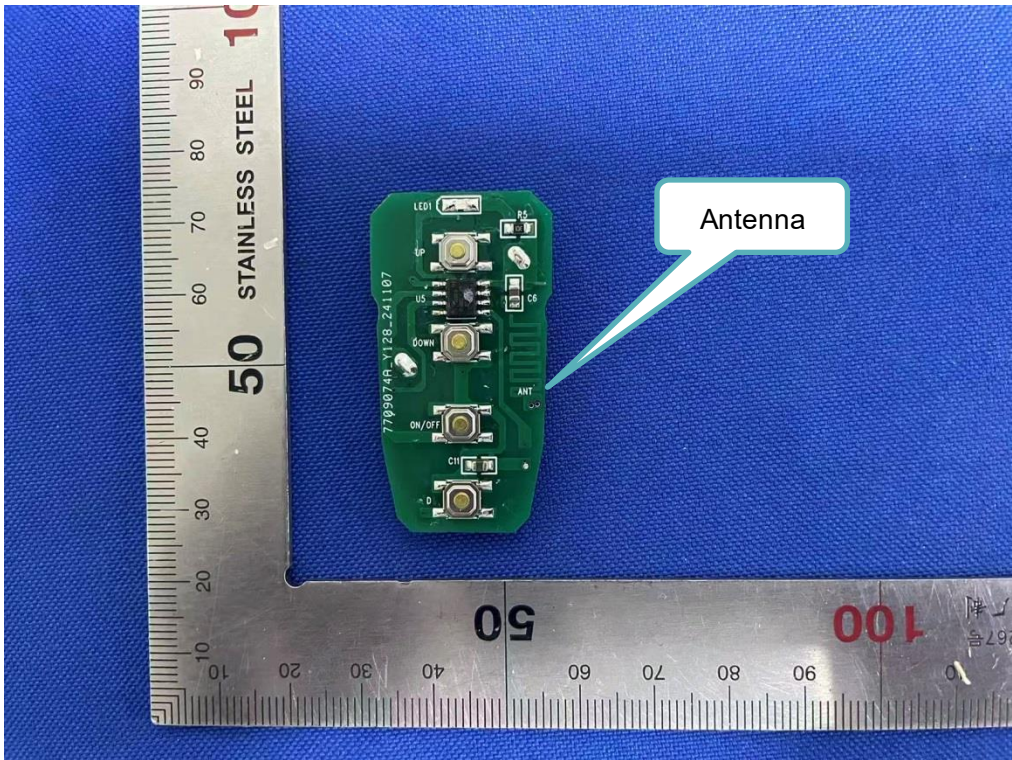
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Internal view-2 of EUT



Internal view-3 of EUT

\*\*\*End of the report\*\*\*