



## Shenzhen BANTEK Testing Co., Ltd.

Report No.: BTEK231213005AE002

Page: 1 of 5

FCC ID: 2AK2F-OLASTAG2

# TEST REPORT

**Application No.:** BTEK231213005AE  
**Applicant:** Ultimate Sports Engineering Ltd  
**Address of Applicant:** UNIT 4, BURY MILL FARM, BURY, PULBOROUGH, WEST SUSSEX, RH20 1NN, PULBOROUGH, United Kingdom  
**Manufacturer:** Ultimate Sports Engineering Ltd  
**Address of Manufacturer:** UNIT 4, BURY MILL FARM, BURY, PULBOROUGH, WEST SUSSEX, RH20 1NN, PULBOROUGH, United Kingdom  
**Factory:** Ultimate Sports Engineering Ltd  
**Address of Factory:** UNIT 4, BURY MILL FARM, BURY, PULBOROUGH, WEST SUSSEX, RH20 1NN, PULBOROUGH, United Kingdom  
**Equipment Under Test (EUT):**  
**EUT Name:** OLASTAG.2  
**Model No.:** OLASTAG.2  
**Trade Mark:** NA  
**Standard(s) :** 47 CFR Part 2 Subpart J Section 2.1093  
**Date of Receipt:** 2023-12-13  
**Date of Test:** 2023-12-13 to 2023-12-21  
**Date of Issue:** 2023-12-21

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

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

Damon Su

EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

Add : A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street

Bao'an District, Shenzhen, Guangdong, China 518104

Tel : +(86)755-2334 4200

E-mail : Service@btek-lab.com

Web : www.btek-lab.com



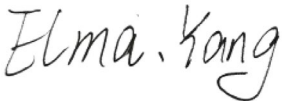


# Shenzhen BANTEK Testing Co., Ltd.

Report No.BTEK231213005AE002

Page: 2 of 5

| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2023-12-21 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                         |  |                                                                                    |  |
|-------------------------|--|------------------------------------------------------------------------------------|--|
| Authorized for issue by |  |                                                                                    |  |
|                         |  |   |  |
|                         |  | Carl Yang /Project Engineer                                                        |  |
|                         |  |  |  |
|                         |  | Elma Yang /Reviewer                                                                |  |





## 2 Contents

|                                                  | Page |
|--------------------------------------------------|------|
| 1 Cover Page .....                               | 1    |
| 2 Contents .....                                 | 3    |
| 3 General Information.....                       | 4    |
| 3.1 Details of E.U.T. ....                       | 4    |
| 3.2 Description of Support Units .....           | 4    |
| 3.3 Test Location.....                           | 4    |
| 3.4 Deviation from Standards.....                | 4    |
| 3.5 Abnormalities from Standard Conditions ..... | 4    |
| 4 Test Requirement .....                         | 5    |
| 4.1Assessment Result.....                        | 5    |



### 3 General Information

#### 3.1 Details of E.U.T.

|                                                                                                                                                                                           |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Power supply:                                                                                                                                                                             | DC 3V CR2477 Lithium Cell |
| Test Voltage:                                                                                                                                                                             | NA                        |
| Cable(s):                                                                                                                                                                                 | /                         |
| Frequency Range:                                                                                                                                                                          | 2402MHz to 2480MHz        |
| Bluetooth Version:                                                                                                                                                                        | Bluetooth V4.0 BLE        |
| Modulation Type:                                                                                                                                                                          | GFSK                      |
| Number of Channels:                                                                                                                                                                       | 40                        |
| Antenna Type:                                                                                                                                                                             | PCB Antenna               |
| Antenna Gain:                                                                                                                                                                             | -0.68dBi                  |
| Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information. |                           |

#### 3.2 Description of Support Units

| Description                                     | Manufacturer | Model No. | Serial No. |
|-------------------------------------------------|--------------|-----------|------------|
| --                                              | --           | --        | --         |
| The EUT has been tested as an independent unit. |              |           |            |

#### 3.3 Test Location

All tests were performed at:  
Shenzhen BANTEK Testing Co., Ltd.,  
A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District,  
Shenzhen, Guangdong, China 518103  
Tel:0755-2334 4200 Fax: 0755-2334 4200  
FCC Registration Number: 264293  
Designation Number: CN1356  
No tests were sub-contracted.

#### 3.4 Deviation from Standards

None

#### 3.5 Abnormalities from Standard Conditions

None



## 4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \cdot \sqrt{f(\text{GHz})} \right] \leq 3.0$$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-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 according to 4.1 f) is applied to determine SAR test exclusion.

### 4.1 Assessment Result

☒ Passed ☐ Not Applicable

| Type | Frequency (MHz) | Conducted Power (dBm) | Maximum Tune-up (dBm) | Calculating data | Limit | Result |
|------|-----------------|-----------------------|-----------------------|------------------|-------|--------|
| BLE  | 2480            | 2.35                  | 3                     | 0.63             | 3.0   | Pass   |

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

