



Shenzhen BANTEK Testing Co., Ltd.

Report No.: BTEK231213005AE002

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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

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Damon Su

EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

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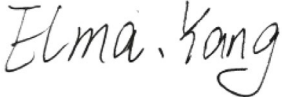


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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-12-21		Original

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



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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.
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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 ≤ 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 -

