

TEST REPORT

For RF Exposure

Report No..... : CHTW26010015

Project No : SHT2512090502W

FCC ID : 2BUJC-ZT6S

Applicant's name : BAL Inc.

Address : 333 W. Maude Ave, Ste 207, Sunnyvale, CA 94085, United States

Product Name : Gait detection module

Trade Mark..... : 

Model No..... : ZT6S

Listed Model(s) : ZT6L

Standard : **FCC Part 2 (Section 2.1093)**

Date of receipt of test sample..... : 2025/12/25

Date of testing..... : 2025/12/30- 2026/1/9

Date of issue..... : 2026/1/22

Result..... : **PASS**

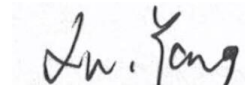


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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address..... : Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0066

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

Master TRF : Dated 2025-07

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test standards

The tests were performed according to following standards:

[FCC Part 2 \(Section 2.1093\)](#)- Radiofrequency radiation exposure evaluation: portable devices.

[KDB 447498 D04 Interim General RF Exposure Guidance v01](#)- RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

[FCC Part 1 \(Section 1.1307\)](#)- Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2026-01-22	Original

2. SUMMARY

2.1. Client Information

Applicant:	BAL Inc.
Address:	333 W. Maude Ave, Ste 207, Sunnyvale, CA 94085, United States
Manufacturer:	Zhortech
Address:	13 rue Here 54000 Nancy France
Factory 1:	Shenzhen Grandtop Electronics Co., Ltd.
Address:	2-3/F, Building 15, Hualun Technology Park, No. 161 Fenghuang Xingye 1st Road, Fuyong Street, Bao'an District, Shenzhen
Factory 2:	Maxway Technology Co., Ltd.
Address:	No.9, Dongsheng South Road, Chenjiang, Zhongkai Hi-Tech District,Huizhou, Guangdong Province, China,516029
Factory 3:	VTech (Dongguan) Communications Limited
Address:	No. 6, Xialingbei Section, Liaocheng Middle Road, Liaobu Town, Dongguan City, Guangdong Province

2.2. Product Description

Product Name:	Gait detection module
Trade Mark:	
Model No.:	ZT6S
Listed Model(s):	ZT6L
Power supply:	DC 3.7V from Battery
Hardware version:	ZT6-RevD
Software version:	N/A

2.3. Radio Specification Description

Bluetooth	
Supported type:	☒ LE-1Mbps ☒ LE-2Mbps

Note: Please refer to RF report for detailed technical specifications

2.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China	
Contact information:	Phone: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC Registration Number	762235
	FCC Designation Number	CN1181

3. RF EXPOSURE

LIMIT:

KDB 447498 D04 Interim General RF Exposure Guidance v01

Appendix B Exemptions for Single RF Sources

B.3 MPE-based Exemption and B.4 SAR-based Exemption:

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

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

where

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

f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

TEST RESULT

☒ Passed ☐ Not Applicable

Radio Type	Frequency (MHz)	Conducted Power(dBm)	Ant Gain(dBi)	Maximum ERP/EIRP (dBm)	Maximum ERP/EIRP (mW)	Minimum Separation Distance(mm)	Pth* (mW)
Bluetooth	2402	2.69	0.50	3.19	2.08	0	6.98

Note:

- 1) The safety distance for extremity exposure assessment is 0mm.
- 2) *: when 10-g extremity SAR applies, SAR test exemption may be considered by applying a factor of 2.5 to the SAR-based exemption thresholds.

4. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. CHTW26010014

--- End of Report ---