

# TEST REPORT

**Applicant:** Shenzhen Jimi IoT Co., Ltd.  
**Address:** 3-4/F, Block A, Building #7, Shenzhen International  
Innovation Valley, Dashi 1st Road, Nanshan District,  
Shenzhen, Guangdong, China  
**Equipment Type:** Wearable BLE Asset Tag  
**Model Name:** PB704 (refer to section 2.3)  
**Brand Name:** jimiiot  
**FCC ID:** 2AMLF-PB704C  
**Test Standard:** 47 CFR Part 2.1093  
KDB 447498 D01 v06  
**Sample Arrival Date:** Jul. 28, 2025  
**Test Date:** Aug. 12, 2025  
**Date of Issue:** Sep. 16, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiong Lining

*Xiong Li Ning*

**Checked by:** Xu Rui

*Xu Rui*

**Approved by:** Tolan Tu  
(Testing Director)

*Tolan Tu*

**Revision History**

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Sep. 16, 2025</u>	<u>Initial Issue</u>

**TABLE OF CONTENTS**

1	GENERAL INFORMATION.....	3
1.1	Test Laboratory .....	3
1.2	Test Location .....	3
2	PRODUCT INFORMATION .....	4
2.1	Applicant Information .....	4
2.2	Manufacturer Information.....	4
2.3	General Description for Equipment under Test (EUT) .....	4
2.4	Technical Information .....	4
3	SUMMARY OF TEST RESULT .....	5
3.1	Test Standards .....	5
3.2	Limit Standards.....	5
4	DEVICE CATEGORY AND LEVELS LIMITS .....	6
5	ASSESSMENT RESULT .....	7
5.1	Output Power .....	7
5.2	Turn-up power .....	7
5.3	RF Exposure Evaluation Result .....	7
5.4	Conclusion.....	7

# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

## 1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	<input type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	Shenzhen Jimi IoT Co., Ltd.
Address	3-4/F, Block A, Building #7, Shenzhen International Innovation Valley, Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, China

### 2.2 Manufacturer Information

Manufacturer	Shenzhen Jimi IoT Co., Ltd.
Address	3-4/F, Block A, Building #7, Shenzhen International Innovation Valley, Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, China

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Wearable BLE Asset Tag
Model Name Under Test	PB704
Series Model Name	PB704C, PB704K
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name and appearance. (this information provided by the applicant)
Hardware Version	PB705_MB_V1.2
Software Version	PB705_V2.5_250117
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

### 2.4 Technical Information

Network and Wireless connectivity	Bluetooth BLE
-----------------------------------	---------------

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	Bluetooth	
Frequency Range	Bluetooth	2400 ~ 2483.5 MHz
Antenna Type	Bluetooth	PCB Antenna
Exposure Category	General Population/Uncontrolled Exposure	
Product Type	Portable Device	

### 3 SUMMARY OF TEST RESULT

#### 3.1 Test Standards

No.	Identity	Document Title
1	KDB 447498 D01 v06	KDB 447498 General RF Exposure Guidance D01 v06

#### 3.2 Limit Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices

## 4 DEVICE CATEGORY AND LEVELS LIMITS

### Portable Devices:

CFR Title 47 §2.1093(b)

(b) For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

### FCC KDB 447498 D01 General RF Exposure Guidance v06 Limit

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances

$\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

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 result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion.

## 5 ASSESSMENT RESULT

### 5.1 Output Power

Mode	Bluetooth
Peak Power (dBm)	4.66
Note: This report listed the maximal case EIRP power value, please refer to BL-SZ2571568-601 report for more details.	

### 5.2 Turn-up power

Mode	Conducted Power Range (dBm)
Bluetooth	[2.66, 4.66]
Note: Time-averaged maximum conducted output power applies to SAR and, as required by § 2.1091(c), time-averaged effective radiated power applies to MPE.	

### 5.3 RF Exposure Evaluation Result

Mode	Tune-up limit power (dBm)	Distance (mm)	Calculation Frequency (MHz)	Calculation Results	Threshold Value	Verdict
Bluetooth	4.66	5	2480	0.92	3.0	Compliance

### 5.4 Conclusion

This EUT is deemed to comply with the reference level limits, therefore the basic restrictions are compliant with human exposure limits.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--