



## Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

Telephone: +86-755-26648640  
Fax: +86-755-26648637  
Website: [www.cqa-cert.com](http://www.cqa-cert.com)

Report Template Version: V05  
Report Template Revision Date: 2021-11-03

# RF Exposure Evaluation Report

**Report No.:** CQASZ20250300549E-02

**Applicant:** Shenzhen Yuyin Electronic Co., Ltd

**Address of Applicant:** 601, Building 4, Tongkangfu Industrial Park, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen

**Equipment Under Test (EUT):**

**EUT Name:** Wireless Pedal

**Test Model No.:** K24-01

**Model No.:** K24-01

**Brand Name:** YUEYINPU

**FCC ID:** 2A4JM-K24-01

**Standards:** 47 CFR Part 1.1307

47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

**Date of Receipt:** 2022-02-18

**Date of Test:** 2022-02-18 to 2022-02-22

**Date of Issue:** 2025-4-2

**Test Result:** PASS\*

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

**Tested By:** lewis zhou

( Lewis Zhou )

**Reviewed By:** Timo Lei

( Timo Lei )

**Approved By:** Jack Ai

( Jack Ai )



## 1 Version

### Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20220200212E-02	Rev.01	Initial report	2022-02-24
CQASZ20250300549E-02	Rev.02	Update report	2025-4-2

This test report (Ref. No.: CQASZ20250300549E-02)

All test data comes from source test reports (Ref. No.: CQASZ20220200212E-02).

## 2 Contents

	Page
<b>1 VERSION</b> .....	2
<b>2 CONTENTS</b> .....	3
.....	3
<b>3 GENERAL INFORMATION</b> .....	4
3.1 CLIENT INFORMATION .....	4
3.2 GENERAL DESCRIPTION OF EUT .....	4
3.3 GENERAL DESCRIPTION OF BT .....	4
<b>4 SAR EVALUATION</b> .....	5
4.1 RF EXPOSURE COMPLIANCE REQUIREMENT .....	5
4.1.1 <i>Standard Requirement</i> .....	5
4.1.2 <i>Limits</i> .....	5
4.1.3 <i>EUT RF Exposure</i> .....	6

### 3 General Information

#### 3.1 Client Information

Applicant:	Shenzhen Yuyin Electronic Co., Ltd
Address of Applicant:	601, Building 4, Tongkangfu Industrial Park, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen
Manufacturer:	Shenzhen Yuyin Electronic Co., Ltd
Address of Manufacturer:	601, Building 4, Tongkangfu Industrial Park, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen
Factory:	Shenzhen Yuyin Electronic Co., Ltd
Address of Factory:	601, Building 4, Tongkangfu Industrial Park, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen

#### 3.2 General Description of EUT

Product Name:	Wireless Pedal
Model No.:	K24-01
Test Model No	K24-01
Trade Mark:	YUEYINPU
EUT Supports Radios application:	Bluetooth mode 2402-2480MHz
Software Version:	V04
Hardware Version:	V01
Sample Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
EUT Power Supply:	Li-ion battery: DC 3.7V 400mAh, Charge by DC 5V for adapter

#### 3.3 General Description of BT

Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V5.0
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK
Number of Channel:	79
Transfer Rate:	1Mbps
Test Software of EUT:	bluetooth1.6.8.6
Antenna Type:	PCB antenna
Antenna Gain:	2.78dBi

## 4 SAR Evaluation

### 4.1 RF Exposure Compliance Requirement

#### 4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

##### 4.3.1. Standalone SAR test exclusion considerations

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 Exclusion Threshold condition, listed below, is satisfied.

#### 4.1.2 Limits

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:

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

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

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

**4.1.3 EUT RF Exposure****Measurement Data**

Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune- up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	-12.72	-12.5±1	-11.5	0.071	0.022	3.0
Middle (2440MHz)	-11.88	-12.0±1	-11.0	0.079	0.025	
Highest (2480MHz)	-10.93	-11.0±1	-10.0	0.100	0.031	

Conclusion: the calculated value ≤3.0, SAR is exempted.

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20220200212E-01.

\*\*\* END OF REPORT \*\*\*