

## TEST REPORT

### FCC Rules Part 15.231

**Report Reference No.**.....: **MTEB23040207-H**

**FCC ID**.....: **2BA7L-G1**

Compiled by

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Date of issue.....: **April 27, 2023**

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**Applicant's name**.....: **Jinhua Hengwen e-commerce Co., Ltd.**

Address .....: No. 980, Jingshan Xia Village, Yongkang Economic Development  
Zone, Jinhua City, Zhejiang Province

**Test specification/ Standard** .....: **47 CFR Part 1.1307**

**47 CFR Part 2.1093**

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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**Test item description** .....: **ELECTRIC TREADMILL**

Trade Mark .....: **N/A**

Model/Type reference.....: **G1**

Listed Models .....: **N/A**

Modulation Type .....: **ASK**

Operation Frequency.....: **433.92MHz**

Hardware version .....: **V1.0**

Software version .....: **V1.1**

Rating .....: **DC 3V(by Battery)**

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

## TEST REPORT

Equipment under Test : ELECTRIC TREADMILL

Model /Type : G1

Listed Models : N/A

Applicant : Jinhua Hengwen e-commerce Co., Ltd.

Address : No. 980, Jingshan Xia Village, Yongkang Economic Development Zone, Jinhua City, Zhejiang Province

Manufacturer : Zhejiang Youbu Sports Good Co., Ltd.

Address : No. 9 Liunan Road, Niubeijin Industrial Zone, Wuyi County, Jinhua City, Zhejiang Province

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## Contents

### 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.04.27	Initial Issue	Alisa Luo

## 2.1 RF Exposure Compliance Requirement

### 2.1.1 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.

### 2.1.2 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

## 2.1.3 EUT RF Exposure

$$\text{EIRP} = \text{PT} \times \text{GT} = (E \times D)^2 / 30$$

where:

PT = transmitter output power in watts,  
 GT = numeric gain of the transmitting antenna (unitless),  
 $E = \text{electric field strength in V/m, } 10^{(\text{dB}\mu\text{V/m})/20} / 10^6$ ,  
 D = measurement distance in meters (m)---3m,  
 So  $\text{PT} = (E \times D)^2 / 30 / \text{GT}$

The worst case (refer to report MTEB23040207) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	71.94	Peak
433.92	62.57	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
433.92	70.85	Peak
433.92	61.48	Average

For 433.92MHz wireless:

Field strength=71.94 dBuV/m

Ant gain:0dBi;so Ant numeric gain=1.0

$$\text{EIRP} = \text{PT} \times \text{GT} = (E \times D)^2 / 30 = (10^{(\text{dB}\mu\text{V/m})/20} / 10^6)^2 / 30 = 0.00000468$$

$$\text{So PT} = \text{EIRP}/\text{GT} = 0.00000468 \text{W} = 0.00468 \text{mW}$$

$$\text{So}(0.00468 \text{mW}/5\text{mm}) * \sqrt{0.43392 \text{GHz}} = 0.0062$$

exclusion=0.0062<3.0 for 1-g SAR

So the SAR report is not required.