

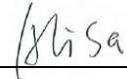
## RF Exposure Evaluation Report

**Report Reference No.....** : MTWG22040304-H

**FCC ID.....** : 2A6XO-REWIRE

Compiled by

( position+printed name+signature)..: File administrators Alisa Luo



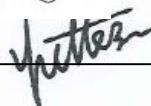
Supervised by

( position+printed name+signature)..: Test Engineer Sunny Deng



Approved by

( position+printed name+signature)..: Manager Yvette Zhou



Date of issue.....: May 18,2022

**Representative Laboratory Name.:** **Shenzhen Most Technology Service Co., Ltd.**

Address.....: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,  
Nanshan, Shenzhen, Guangdong, China.

**Applicant's name.....:** **Rewire Fitness, Inc**

Address.....: 249 State Route 208, New Paltz, NY, 12561

**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.....:** Rewire Fitness

Trade Mark.....: N/A

Model/Type reference.....: **Rewire Fitness, Inc**

Listed Models .....: Rewire 1.0

Modulation Type.....: N/A

Operation Frequency.....: GFSK

Hardware Version.....: From 2402MHz to 2480MHz

Software Version.....: V1.1

Rating.....: V1.0

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

## TEST REPORT

Equipment under Test : Rewire Fitness

Model /Type : Rewire 1.0

Listed Models : N/A

Remark : N/A

Applicant : **Rewire Fitness, Inc**

Address : 249 State Route 208, New Paltz, NY, 12561

Manufacturer : **Rewire Fitness, Inc**

Address : 249 State Route 208, New Paltz, NY, 12561

<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.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2022.05.18	Initial Issue	Alisa Luo

## **2. SAR Evaluation**

### **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

#### Measurement Data BLE

GFSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.251	-0.251±1	0.749	1.19
Middle(2440MHz)	1.297	1.297±1	2.297	1.69
Highest(2480MHz)	-0.994	-0.994±1	0.006	1.00

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Middle(2440MHz)	1.297	2.297	1.69	0.527	3.0	Yes

.....THE END OF REPORT.....