

RF Exposure Evaluation Report

Report Reference No...... : **MTEB25110216-H**

FCC ID..... : **2BUQE-TJ07**

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Applicant's name.....: **Zhejiang Youbu Sports Goods Joint Stock Co., Ltd.**

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

Test specification/ Standard.....: **47 CFR Part 1.1307;47 CFR Part 1.1310**
KDB447498D01 General RF Exposure Guidance v06

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

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Test item description.....: Electric treadmill

Trade Mark.....: N/A

Model/Type reference.....: TJ07

Listed Models: XBD402P

Modulation Type.....: GFSK, $\pi/4$ DQPSK, 8DPSK

Operation Frequency.....: From 2402MHz to 2480MHz

Hardware Version.....: 1.0

Software Version.....: 1.4.2

Rating.....: AC100-120V 50-60Hz 800W

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

TEST REPORT

Equipment under Test : Electric treadmill

Model /Type : TJ07

Listed Models : XBD402P

Remark : The same product just has different model names.

Applicant : **Zhejiang Youbu Sports Goods Joint Stock Co., Ltd.**

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

Manufacturer : **Zhejiang Youbu Sports Goods Joint Stock Co., Ltd.**

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

Test Result:	PASS
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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	2026.02.06	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 ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
 ≤ 3.0 for 1-g SAR and ≤ 7.5 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 calculation¹⁷

. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 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)
Lowest(2402MHz)	2.76	2.76 ± 1	3.76
Middle(2440MHz)	2.26	2.26 ± 1	3.26
Highest(2480MHz)	2.60	2.60 ± 1	3.6

Worst case: GFSK

Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Lowest(2402 MHz)	2.76	3.76	2.38	0.74	3.0	Yes

EDR

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-2.26	-2.26 ± 1	-1.26
Middle(2441MHz)	-2.68	-2.68 ± 1	-1.68
Highest(2480MHz)	-2.25	-2.25 ± 1	-1.25

 $\pi/4$ DQPSK

Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	1.44	1.44 ± 1	2.44
Middle(2441MHz)	0.92	0.92 ± 1	1.92
Highest(2480MHz)	1.35	1.35 ± 1	2.35

8DPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	1.92	1.92 ± 1	2.92
Middle(2441MHz)	1.44	1.44 ± 1	2.44
Highest(2480MHz)	1.84	1.84 ± 1	2.84

Worst case: 8DPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Lowest(2402MHz)	1.92	2.92	1.96	0.61	3.0	Yes

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