



Report No.: PTC22022404101E-FC02

FCC TEST REPORT

FCC ID:2A5MMZ1-403

Product	:	treadmill
Model Name	:	Z1-403
Brand	:	SYTIRY
Report No.	:	PTC22022404101E-FC02
Prepared for		
Zhejiang Dapao Technologyco,Ltd		
NO.65,Baihuanshan Development Avenue,Wuyi County,Jinhua City Zhejiang Province		
Prepared by		
Precise Testing & Certification Co., Ltd		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



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TEST RESULT CERTIFICATION

Applicant's name : Zhejiang Dapao Technologyco,Ltd.
Address : NO.65,Baihuanshan Development Avenue,Wuyi County,Jinhua City Zhejiang Province
Manufacture's name : Zhejiang Dapao Technologyco,Ltd.
Address : NO.65,Baihuanshan Development Avenue,Wuyi County,Jinhua City Zhejiang Province
Product name : treadmill
Model name : Z1-403
Test procedure : KDB 447498 D01 General RF Exposure Guidance v06
Test Date : Mar. 02, 2022 to Mar. 10, 2022
Date of Issue : Mar. 10, 2022
Test Result : Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Abel Yu'.

Abel Yu / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Wu Weimin'.

Wu Weimin /Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	treadmil
Model Name	:	Z1-403
Bluetooth Version	:	V4.2 BLE
Operating frequency	:	2402-2480MHz
Number of Channels	:	40
Type of Modulation	:	GFSK
Antenna installation	:	PCB Antenna
Antenna Gain	:	-0.58dBi
Power	:	AC120V/60Hz
Hardware Version	:	N/A
Software Version	:	N/A



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
BLE	0.87	0.04	1.009253	0.000176	1	Pass

*****THE END REPORT*****