

FCC TEST REPORT

Report No.....: AB26050491FW02

FCC ID.....: 2BC75-TX50

Applicant.....: Shenzhen JiaYuXiang Acoustics Electronic Co.,Ltd
Floor 2-5, Building 7, Houhai industrial Park, Liyuhe Industrial Zone,
Address.....: Loucun Community, Xinhua Street,Guangming District, Shenzhen
City

Manufacturer.....: Shenzhen JiaYuXiang Acoustics Electronic Co.,Ltd
Floor 2-5, Building 7, Houhai industrial Park, Liyuhe Industrial Zone,
Address.....: Loucun Community, Xinhua Street,Guangming District, Shenzhen
City

Product Name.....: Speaker
JYX

Trade Mark.....: JAUYXIAN
HWWR
FANFUN

Test Model.....: TX50

Additional Model(s).....: TX05-WOOD, S68, 55-BLACK, S8, S8-T

Standard.....: FCC Part 2 (Section 2.1091)
KDB 447498 D01
IEEE C95.1

Date of Receipt.....: 2026.06.01

Date of Test Date.....: 2026.06.01-2026.06.12

Date of Issue.....: 2026.06.12

Test Result.....: Pass

Compiled by: Huaijie Li
(Printed Name + Signature)

Huaijie Li

Supervised by: David Huang
(Printed Name + Signature)

David Huang

Approved by: Jay Liu
(Printed Name + Signature)

Jay Liu

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address.....: 101, Building B, Tuori New Energy Industrial Park, High-tech Park,
Tianliao Community, Yutang Street, Guangming District, Shenzhen
City, Guangdong Province, China

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FCC TEST REPORT

EUT.....	: Speaker
Test Model.....	: TX50
Applicant.....	: Shenzhen JiaYuXiang Acoustics Electronic Co.,Ltd
Address.....	: Floor 2-5, Building 7, Houhai industrial Park, Liyuhe Industrial Zone, Loucun Community, Xinhua Street,Guangming District, Shenzhen City
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Address.....	: Floor 2-5, Building 7, Houhai industrial Park, Liyuhe Industrial Zone, Loucun Community, Xinhua Street,Guangming District, Shenzhen City

Test Result	Positive
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The test report merely corresponds to the test sample.

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REPORT VERSION

Version No.	Issue Date	Description
01	2026.06.12	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Speaker
Trade Mark:	JYX JAUYXIAN HWWR FANFUN
Test Model:	TX50
Additional Model(s):	TX05-WOOD, S68, 55-BLACK, S8, S8-T
Model Difference	All models are the same circuit and RF module, except the model name
Hardware Version:	V1.0
Software Version:	V1.0
Power Supply:	DC 5V/1A
Battery	DC 3.7V/3600mAh
EUT Supports Function: (Provided by the customer)	2.4GHz ISM Bands
Test Sample(s) Number:	AB26050491-01 (Engineer Sample) AB26050491-02 (Normal Sample)
Radio Specification Subject to this Report	
Bluetooth Version:	Bluetooth BDR + EDR
Frequency Range:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Spacing:	1MHz
Channel Number(s):	79
Antenna Type:	Internal Antenna
Antenna Gain:	-0.58dBi

1.2. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +86 755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

Company Number: 33924

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	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				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW;

G = gain of antenna in linear scale, $\pi = 3.1416$;

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.2 Evaluation Result

Mode	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
BR	-1.44	-0.58	-2.02	0.628	0.00012495	1.0	PASS

So a SAR test is not required

*****THE END*****