



Aibo Standard Technology (Shenzhen) Co., Ltd.

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

Tel.: +(86) 0755 85250797

E-mail: Aibonorm@aibonorm.com

Website: www.Aibonorm.com

FCC TEST REPORT

Report No.....: AB25070066FW02

FCC ID.....: 2A7YTJIALIMEITB30B

Applicant.....: Shenzhen Galime Electronics Technology Co.,Ltd

Address.....: 2F of Block D, Jingcai industry Zone,1st Jingye street,Baoan district, Shenzhen,China

Manufacturer.....: Shenzhen Galime Electronics Technology Co.,Ltd

Address.....: 2F of Block D, Jingcai industry Zone,1st Jingye street,Baoan district, Shenzhen,China

Product Name.....: X30 Mini curtain motor

Trade Mark.....: N/A

Test Model.....: TB30B

Additional Model(s).....: DY98,H98,Mini98,DM98,GM98,XM98,XT98,X30

Standard.....: FCC Part 2 (Section 2.1091)
KDB 447498 D01 v06
IEEE C95.1

Date of Receipt.....: 2025.07.14

Date of Issue.....: 2025.07.24

Test Result.....: Pass

Compiled by: (Printed Name + Signature)	Huaijie Li	<i>Huaijie Li</i>
Supervised by: (Printed Name + Signature)	Jay Liu	<i>Jay Liu</i>
Approved by: (Printed Name + Signature)	Mic Cheng	<i>Mic Cheng</i>

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

This test report may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by Aibo. The test results in the report only apply to the tested sample. The test report shall be invalid without all the signatures of testing engineers, reviewer and approver. Any objections must be raised to Aibo within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit. The test report merely correspond to the test sample.

FCC TEST REPORT

Test Report No.: AB25070066FW02	<u>2025.07.24</u> Date of issue
--	------------------------------------

EUT.....	: X30 Mini curtain motor
Test Model.....	: TB30B
Applicant.....	: Shenzhen Galime Electronics Technology Co.,Ltd
Address.....	: 2F of Block D, Jingcai industry Zone,1st Jingye street,Baoan district, Shenzhen,China
Manufacturer.....	: Shenzhen Galime Electronics Technology Co.,Ltd
Address.....	: 2F of Block D, Jingcai industry Zone,1st Jingye street,Baoan district, Shenzhen,China

Test Result	Positive
--------------------	-----------------

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.

REPORT VERSION

Version No.	Issue Date	Description
01	2025.07.24	Initial Issue

TABLE OF CONTENTS

1. GENERAL INFORMATION	4
1.1. GENERAL DESCRIPTION OF EUT	4
1.2. DESCRIPTION OF TEST FACILITY	4
2. RF EXPOSURE EVALUATION	5
2.1 LIMIT	5
2.2 EVALUATION RESULT	6

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	X30 Mini curtain motor
Trade Mark:	N/A
Test Model:	TB30B
Additional Model(s):	DY98,H98,Mini98,DM98,GM98,XM98, XT98,X30
Model Difference:	All models are the same circuit and RF module, except the model name.
Hardware Version:	/
Software Version:	/
Power Source:	AC 120V/60Hz
Test Sample(s) Number:	AB25070066-01 (Engineer Sample)
Antenna Gain:	2.54dBi

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) 0755 85250797

E-mail: Aibonorm@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

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, π = 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

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
b	2412-2462	6	+1	5	7
g	2412-2462	5	+1	4	6
n20	2412-2462	5	+1	4	6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
b	2462	6.75
g	2462	5.35
n20	2462	5.24

b mode

Mode	Max AVerage power (dBm)	Antenna gain (dBi)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)	Result
b	7	2.54	8.99	0.0018	1.0	PASS

So a SAR test is not required

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