TEST REPORT

Report No.: SHATBL2411010W02

Applicant	:	Satellite Electronics (Zhong shan)Ltd.
Product Name	:	CEILING FAN REMOTE CONTROL
Brand Name	:	N/A
Model Name	:	TRA062F1M
Series Model	:	N/A
FCC ID	:	2AQZU-18058
Test Standard	:	47 CFR 2.1091
Date of Issue	:	2024.11.15

Report Prepared by : Chris Xu

(Chris Xu)

Report Approved by : Guozheng Li

(Guozheng Lii)

Authorized Signatory : Terry Yang

(Terry Yang)

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REVISION HISTORY

Rev.	Issue Date	Revisions	Revised by
A0	2024.11.15	Initial Release	Terry Yang

DECLARATION OF REPORT

1. The device has been tested by ATBL, and the test results show that the equipment under test (EUT) is in compliance with the requirements of 47 CFR 2.1091. And it is applicable only to the tested sample identified in the report.

2. This report shall not be reproduced except in full, without the written approval of ATBL, this document only be altered or revised by ATBL, personal only, and shall be noted in the revision of the document.

3. The general information of EUT in this report is provided by the customer or manufacture, ATBL is only responsible for the test data but not for the information provided by the customer or manufacture.

4. The results in this report is only apply to the sample as tested under conditions. The customer or manufacturer is responsible for ensuring that the additional production units of this model have the same electrical and mechanical components.

5. In this report, '☐' indicates that EUT does not support content after '☐', and '☑' indicates that it supports content after '☑'

1. GENERAL DESCRIPTION

1.1 Applicant

Name : Satellite Electronics (Zhong shan)Ltd.

Address : No.8, Chuang Ye Road, Torch Development Zone, Zhongshan, Guangdong, China

1.2 Manufacturer

Name : Satellite Electronics (Zhong shan)Ltd.

Address : No.8, Chuang Ye Road, Torch Development Zone, Zhongshan, Guangdong, China

1.3 General Information of EUT

General Information	
Equipment Name	CEILING FAN REMOTE CONTROL
Brand Name	N/A
Model Name	TRA062F1M
Series Model	N/A
Model Difference	N/A
Frequency band	304.25MHz
Power supply	DC 3V by battery
Modulation Type	ASK
Antenna type:	PCB antenna
Antenna gain:	-6dBi
Hardware version number	TRD062F1M 240914
Software version number	MCU369 (TK02)

Remark:

The above information of EUT was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Laboratory Information

Company Name	:	Shanghai ATBL Technology Co., Ltd.
Address	:	Building 8,No.160 Basheng Road, Waigaoqiao Free Trade Zone, Pudong New Area, Shanghai
Telephone	:	+86(0)21-51298625

1.5Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR Part 2.1091

FCC KDB 447498 D01 General RF Exposure Guidance v06

2. FCC 47CFR 2.1091 REQUIREMENT

LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (Minutes)
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

*Note:

1. f= Frequency in MHz * Plane-wave Equivalent Power Density
2. The averaging time for General Population/Uncontrolled exposure to fixed transmitters is not applicable for mobile and portable transmitters. See 47 CFR §§2.1091 and 2.1093 on source-based time-averaging requirement for mobile and portable transmitters.

$S=PG/4\pi R^2$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator R=distance to the center of radiation of the antenna

CALCULATION

FCC Rules	Frequency	Output Power	SAR Test Exclusion Thresholds for≦5mm
	MHz	dBm	dBm
FCC Part15.231	304.25	-37.37	13(22mW)

Maximum power Calculation :P=Field strength-95.2=57.83-95.2=-37.12dBm

Owing the power of EUT is less than 13dBm, SAR test no requirement.

※※※※※END OF THE REPORT※※※※※