

TEST REPORT

Report No.: SHATBL2411010W02

Applicant		-	Satellite Electronics (Zhong shan)Ltd.	
5	Product Name	÷	CEILING FAN REMOTE CONTROL	
	Brand Name	:	N/A	
	Model Name	-	TRA062F1M	
2	Series Model	R	N/A	
Ĩ	FCC ID	F	2AQZU-18058	
	Test Standard	÷	47 CFR 2.1091	
	Date of Issue	5	2024.11.15	

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Authorized Signatory

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REVISION HISTORY

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		Revised by
2024.11.15	Initial Release	Terry Yang
2027.11.13		
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DECLARATION OF REPORT

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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, ' \Box ' indicates that EUT does not support content after ' \Box ', and ' \Box ' indicates that it supports content after ' \Box '

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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

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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.

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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

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2. FCC 47CFR 2.1091 REQUIREMENT

E field Strength (E)	Magnetic Field	Power Density	Averaging Time
	Strength (H)	(S)	$ E ^2$, $ H ^2$ or S
(V/III)	(A/m)	(mW/cm ²)	(Minutes)
614	1.63	(100)*	30
824/f	2.19/f	(180/f ²)*	30
27.5	0.073	0.2	30
5- 3	¥ 2	f/1500	30
N (2)		1.0	30
	824/f	E-field Strength (E) (V/m) Strength (H) (A/m) 614 1.63 824/f 2.19/f	E-field Strength (E) (V/m) Strength (H) (A/m) (S) (mW/cm ²) 614 1.63 (100)* 824/f 2.19/f (180/f ²)* 27.5 0.073 0.2 f/1500

LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE

*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



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	Frequency	Output Power	SAR Test Exclusion Thresholds for \leq 5mm
FCC Rules	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.

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