



TEST REPORT

Applicant Name : SHENZHEN REFINED TECHNOLOGY CO., LTD
Address : 3rd floor, Bldg.3, YuFeng Industrial Park, XiTou New Village, Minzhi Street, Longhua District, Shenzhen city, China
Report Number : 2504V71148E-RF
FCC ID: 2BPIA-POOL12VAC

Test Standard (s)

47 CFR §1.1307& §2.1093

Sample Description

Product Type: Remote Controller
Model No.: R18
Trade Mark: N/A
Date Received: 2025-07-31
Report Date: 2025-08-15

Test Result:	The EUT complied with the standards above.
--------------	--

Prepared and Checked By:

Roger Ling

Roger.Ling
EMC Engineer

Approved By:

Bob. Liao

Bob.Liao
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
This report cannot be reproduced except in full, without prior written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

Shenzhen Accurate Technology Co., Ltd.

Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Tel: +86 755-26503290

Web: www.atc-lab.com

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY 3

GENERAL INFORMATION 4

 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 4

 OBJECTIVE 4

 TEST FACILITY 4

RF EXPOSURE 5

 APPLICABLE STANDARD..... 5

 TEST RESULT: 5

EXHIBIT A-EUT PHOTOGRAPHS 6

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504V71148E-RF	Original Report	2025-08-15

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Remote Controller
Tested Model	R18
Frequency Range	315MHz
Maximum E-field Strength	80.36dBuV/m@3m
Antenna Specification [#]	Integral Antenna
Voltage Range [#]	DC 12V from battery(1PCS 23A battery)
Sample Serial Number	37BQ-1, 37BQ-2 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 1-Subpart I and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with §1.1307 & §2.1093 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D04 Interim General RF Exposure Guidance v01, clause 2.1.2 – 1-mW test Exemption:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

Test Result:

For worst case:

Mode	Frequency	Maximum Power		1-mW test Exemption
	(MHz)	(dBm)	(mW)	
SRD	315	-14.84	0.03	Yes

Note : $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) - 95.2$ for distance 3m

Use the highest E-field strength(80.36 dBuV/m) for the evaluation,

so the $\text{EIRP} = 80.36 \text{ dBuV/m} - 95.2 = -14.84 \text{ dBm}$

Result: Compliance.

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504V71148E-RF EUT External Photos and Attachment No.2 2504V71148E-RF EUT Internal Photos.

******* END OF REPORT *******