RF Exposure Evaluation Report

Report No.:	JYTSZ-R12-2600427G1
Applicant:	Sunwell Technology Company Limited
Address of Applicant:	Building 2, SP106. Jinlong Mingyuan, Nanlian Community, Longgang Street, Longgang District, Shenzhen.China
Equipment Under Test (EUT)	
Product Name:	RF REMOTE CONTROL
Model No.:	RCB04C
Trade mark:	N/A
FCC ID:	2AWRZ-RCB04C-TX
Applicable standards:	FCC CFR Title 47 Part 2 (§2.1093)
Date of sample receipt:	17 Jun., 2026
Date of Test:	18 Jun., to 29 Jun., 2026
Date of report issue:	30 Sep., 2026
Test Result:	PASS

Project by:	Project Engineer	***Date:***	*30 Sep., 2026*
Reviewed by:	Senior Engineer	***Date:***	*30 Sep., 2026*
Approved by:	Manager	***Date:***	*30 Sep., 2026*

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	*30 Jun., 2026*	*Original*
01	*30 Sep., 2026*	*Update Page 4, 6.*

2 Contents

Page

Cover Page **1**

1 Version **2**

2 Contents **3**

3 General Information **4**

3.1 Client Information 4
3.2 General Description of E.U.T. 4
3.3 Disclaimer 4
3.4 Operating Modes 5
3.5 Additions to, Deviations, or Exclusions from the Method 5
3.6 Laboratory Facility 5
3.7 Laboratory Location 5

4 Technical Requirements Specification **6**

4.1 Limits 6
4.2 Result 6
4.3 Conclusion 6

3 General Information

3.1 Client Information

Applicant:	Sunwell Technology Company Limited
Address:	Building 2, SP106. Jinlong Mingyuan, Nanlian Community, Longgang Street, Longgang District, Shenzhen.China
Manufacturer:	Sunwell Technology Company Limited
Address:	Building 2, SP106. Jinlong Mingyuan, Nanlian Community, Longgang Street, Longgang District, Shenzhen.China

3.2 General Description of E.U.T.

Product Name:	RF REMOTE CONTROL
Model No.:	RCB04C
Operation Frequency:	303.875MHz
Modulation technology:	OOK
Antenna Type:	Internal Antenna
Antenna gain:	-11.20 dBi (declare by Applicant)
Power Supply:	DC 3V (AAA Battery*2)
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Disclaimer

Disclaimer:
For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information.

3.4 Operating Modes

Operating mode	Detail description
Tx mode	Keep the EUT in continuously transmitting mode

3.5 Additions to, Deviations, or Exclusions from the Method

No

3.6 Laboratory Facility

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

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

3.7 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website:http://jyt.lets.com

4 Technical Requirements Specification

4.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] · [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

4.2 Result

According to the calculation formula of power:
EIRP = P*G = $(E*d)^2/30$
Where:
P = transmitter output power in watts,
G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator (unitless),
E = electric field strength in V/m, --- $10^{((dBuV/m)/20)}/10^6$,
d = measurement distance in meters (m)---3m,

So,
P = $(E*d)^2/(30*G)$

Frequency (MHz)	Maximum field strength@3m (dBuV/m)	Maximum field strength@3m (V/m)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (m)	Output power (mW)
303.875	73.67	0.0048	-11.20	0.08	3	0.0921

Thus, Worse case below:

Frequency (MHz)	Max Output power (mW)	Min test distance (mm)	Result	Limit of 10-g SAR test exclusion thresholds
303.875	0.0921	5	0.0119	7.5

4.3 Conclusion

Cuz 0.0119 < 7.5 for 10-g SAR, the device is exempt from the SAR test and satisfies RF exposure evaluation.

------End of report------