

RF Exposure Evaluation Report

Product : Extreme Crosslander -Rechargeable
Radio Controlled Stunt Car

Trade mark : LEXIBOOK

Model/Type reference : RC49 RC50 (remote)

Serial Number : N/A

Report Number : EED32P80671503

FCC ID : UU8-RC49

Date of Issue : Jun. 28, 2023

Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
447498 D04 Interim General RF
Exposure Guidance v01

Test result : PASS

Prepared for:

Lexibook America

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2 Version

Version No.	Date	Description
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4 General Information

4.1 Client Information

Applicant:	Lexibook America
Address of Applicant:	C/O Pramex International 1251 Avenue of the Americas,3rd Fl.,New York,10020,United States
Manufacturer:	Lexibook America
Address of Manufacturer:	C/O Pramex International 1251 Avenue of the Americas,3rd Fl.,New York,10020,United States

4.2 General Description of EUT

Product Name:	Extreme Crosslander -Rechargeable Radio Controlled Stunt Car
Model No.(EUT):	RC49 RC50 (remote)
Trade mark:	LEXIBOOK

4.3 Product Specification subjective to this standard

Frequency Range:	TX & RX: 2405MHz ~2475MHz
Modulation Type:	GFSK
Test Power Grade:	Default
Test Software of EUT:	RF Test
Antenna Type:	Internal Antenna
Antenna Gain:	0.17dBi
Power Supply:	DC 3.0V (2*1.5V*AAA)
Sample Received Date:	May 10, 2023
Sample tested Date:	May 10, 2023 to May 18, 2023

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and ERP_{20cm} is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

5.1.3 EUT RF Exposure Evaluation

For Remote Control:

Mode	Field strength of the fundamental signal (dBuV/m@3m)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
2475MHz	90.76	-6.62	0.2178	≤2.722	PASS

Note:

- ① EIRP=conducted power+antenna gain;
 - ② ERP=EIRP-2.15;
 - ③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;
 - ④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;
 - ⑤ The estimation distance is 0.5cm;
 - ⑥ The test data please refer to the report of EED32P80671501.
- Only the worst case data was recorded in the report.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***