



FOR

RGA Top Race Us LLC

Top Race Drone Clip Remote Control Object Launcher, Release TR-66

Test Model: TOPR-000046

Additional Model No.: TOPR-000059

Prepared for : RGA Top Race Us LLC

Address : 801 Barton Springs Road Austin Texas 78704 United States

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.

Address 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

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Date of receipt of test sample : November 05, 2024

Number of tested samples : 2

Sample No. : A240816073-1, A240816073-2

Serial number : Prototype

Date of Test : November 05, 2024 ~ March 12, 2025

Date of Report March 13, 2025





Page 2 of 9

Address.....::

FCC ID: 2BBLZ-TOPR-000046

RF Exposure Evaluation

Report Reference No.: LCSA08164051EB

Date of Issue.....: March 13, 2025

Testing Laboratory Name: Shenzhen LCS Compliance Testing Laboratory Ltd.

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Testing Location/ Procedure: Full application of Harmonised standards ■

Partial application of Harmonised standards

Other standard testing method

Applicant's Name.....: RGA Top Race Us LLC

Address.....: 801 Barton Springs Road Austin Texas 78704 United States

Test Specification

Standard: FCC KDB publication 447498 D01 General RF Exposure Guidance

v06

FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1093:

Test Report Form No.: TRF-4-E-215 A/0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF: Dated 2011-03

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TR-66

Trade Mark.....: TOP Race

Test Model: TOPR-000046

Ratings.....: 3*LR44 button batteries

Result: Positive

Compiled by:

Supervised by:

Approved by:

Report No.: LCSA08164051EB

Nadia Zhon

Nadia Zhou/ Administrator

Jack Liu/ Technique principal

Gavin Liang / Manager





RF Exposure Evaluation

Report No.: LCSA08164051EB

 Test Report No. :
 LCSA08164051EB
 March 13, 2025

 Date of issue

: TOPR-000046 Test Model..... Top Race Drone Clip Remote Control Object Launcher, Release EUT..... TR-66 Applicant..... : RGA Top Race Us LLC Address..... : 801 Barton Springs Road Austin Texas 78704 United States Telephone..... Fax..... Manufacturer..... : RGA Top Race Us LLC : 801 Barton Springs Road Austin Texas 78704 United States Address..... Telephone..... Fax..... : RGA Top Race Us LLC Factory..... : 801 Barton Springs Road Austin Texas 78704 United States Address..... Telephone..... Fax.....

Test Result	古语检测度2°	Positive
	The stine	

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

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		三、开检测股份	
Report Version	Issue Date	Revision Content	Revised By
000	March 13, 2025	Initial Issue	

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NSG 立语检测股份 LCS Testing Lab

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FCC RF Exposure Evaluation

1. Product Information

EUT	:	Top Race Drone Clip Remote Control Object Launcher, Release TR-66	
Test Model	:	TOPR-000046	
Additional Model No.	:	TOPR-000059	
Model Declaration	:	PCB board, structure and internal of these model(s) are the same, S	
		no additional models were tested	
Ratings	:	3*LR44 button batteries	
Hardware Version	:	一大评位河际Lab	
Software Version	:	1 154 LCSTOSA	
2.4G			
Frequency Range	:	2405MHz-2475MHz	
Channel Number	:	16 channels	
Modulation Type	:	GFSK	
Antenna Description	:	Internal Antenna, 2.31dBi(Max.)	
Exposure category	:	General population/uncontrolled environment	
EUT Type	:	Production Unit	
Device Type	:	Portable Device	

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.



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2. Evaluation method and Limit

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc."

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] \cdot [\sqrt{f} (GHz)] \leq 3.0 for 1-g SAR and \leq 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
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section 4.1 is applied to determine SAR test exclusion.

When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

a)The [\sum of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [\sum of MPE ratios] is \leq 1.0.

b) The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all \leq 0.04, and the [\sum of MPE ratios] is \leq 1.0.

3. Refer Evaluation Method

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices



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4. Conducted Power Results

<2.4G>

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	1	2405	-14.31
GFSK	9	2440	-14.02
	16	2475	-14.47

5. Manufacturing Tolerance

<2.4G>

· V	a Profes	$IIIII/D_{DD}$.	. ~ = 13.20		
GFSK (Peak)					
Channel	Channel 1	Channel 9	Channel 16		
Target (dBm)	-14.0	-14.0	-14.0		
Tolerance ±(dB)	1.0	1.0	1.0		

6. Evaluation Results

6.1 Standalone Evaluation

D 1/M 1 .		f	Antenna	RF output power		SAR Test	SAR Test
Ban	d/Mode	(GHz)	Distance (mm)	dBm	mW	Exclusion Threshold	Exclusion
2.4G	GFSK	2.475	5	-13.0	0.0501	0.0158< 3.0	Yes

Remark:

- 1. Output power including tune up tolerance;
- 2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section 4.1 is applied to determine SAR test exclusion.

6.2 Simultaneous Transmission for SAR Exclusion

The sample support one modular. No need consider simultaneous transmission.

7. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

8. Description of Test Facility

NVLAP Accreditation Code is 600167-0. FCC Designation Number is CN5024. CAB identifier is CN0071. CNAS Registration Number is L4595. Test Firm Registration Number: 254912.



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9. Measurement Uncertainty

	- 4 163 L122 N	- 1 10 10 10 - h	
Test Item	Frequency Rang	ge Uncertainty	Note
Output power	: 1GHz-40GHz	±0.57dB	(1)

^{(1).} This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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