



FCC RF EXPOSURE REPORT

FCC ID: RWO-RZ010253

Project No. : 2508C464
Equipment : Gaming Mouse
Brand Name :  RAZER,
Test Model : RZ01-0253
Model Name : RZ01-0253, RZ01-0253XXXX-XXXX (X can be 0-9 or A-Z)
Hardware Version : V0.00.40
Software Version : V1.0
Applicant : Razer Inc.
Address : 9 Pasteur, Irvine, CA 92618, USA
Manufacturer : RAZER (ASIA-PACIFIC) PTE. LTD.
Address : Razer SEA HQ, 1 One-north Crescent, #02-01, Singapore 138538
Factory : RAZER TECHNOLOGY AND DEVELOPMENT (SHENZHEN) CO., LTD
Address : East Wing, 3rd Floor, Block 2, Phase 1 of Vision Shenzhen Business Park Keji South Road, Hi-Tech Industrial Park, Shenzhen 518057, China
Date of Receipt : Aug. 18, 2025
Date of Test : Aug. 18, 2025 ~ Sep. 12, 2025
Issued Date : Dec. 05, 2025
Test Sample : Sample No.: DG920250818142
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & KDB447498 D01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

Prepared by

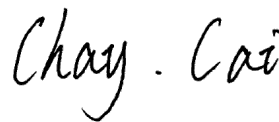
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Chella Zheng

Approved by

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Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

Tel: +86-769-8318-3000

Web: www.newbtl.com

Service mail: btl_qa@newbtl.com

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2508C464	R00	Original Report.	Oct. 10, 2025	Invalid
BTL-FCCP-2-2508C464	R01	This report modified antenna type information in chapter 2. It is a revision of the report BTL-FCCP-2-2508C464 R00. This is a newly released report, replacing the BTL-FCCP-2-2508C464 R00 report.	Nov. 03, 2025	Invalid
BTL-FCCP-2-2508C464	R02	This report added relevant descriptions in chapter 3. It is a revision of the report BTL-FCCP-2-2508C464 R01. This is a newly released report, replacing the BTL-FCCP-2-2508C464 R01 report.	Dec. 05, 2025	Valid

1. GENERAL CONCLUSION

According to FCC KDB447498 D01, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

- $f(\text{GHz})$ 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

Appendix A - SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and ≤ 50 mm											
MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	SAR Test Exclusion Thresholds (mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

2. TABLE FOR FILED ANTENNA

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	RAZER, 	RZ01-0253	Metal 2.4GHz Antenna	N/A	2.5

3. TEST RESULTS

Frequency (MHz)	Max Output power (dBm)	Max Output power (mW)	Distance (mm)	Result	Limit
2402	4.93	3.1117	5	0.965	3.0

Note:

- (1) Output power including tune up tolerance.
- (2) No SAR evaluation required since transmitter power is below FCC threshold.
- (3) SRD and WPT cannot transmit simultaneously.

End of Test Report