

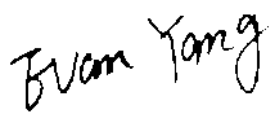
# FCC RF EXPOSURE REPORT

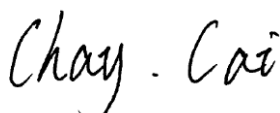
## FCC ID: RWO-RZ010390

This report concerns: Original Grant

**Project No.** : 2501C124  
**Equipment** : Wireless Mouse  
**Brand Name** :   
**Test Model** : RAZER, RZ01-0390  
**Series Model** : RZ01-0390XXXX-XXXX (X can be 0-9 or A-Z)  
**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** : Jan. 17, 2025  
**Date of Test** : Jan. 17, 2025 ~ Feb. 07, 2025  
**Issued Date** : Feb. 20, 2025  
**Report Version** : R00  
**Test Sample** : Sample No.: DG2025011749  
**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.

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**REPORT ISSUED HISTORY**

| Report No.          | Version | Description      | Issued Date   | Note  |
|---------------------|---------|------------------|---------------|-------|
| BTL-FCCP-3-2501C124 | R00     | Original Report. | Feb. 20, 2025 | Valid |

## 1. GENERAL CONCLUSION

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$   
 $\leq 3.0$  for 1-g SAR, and  $\leq 7.5$  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<br>and $\leq 50$ 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<br>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

For BLE&2.4G SRD:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|-------|------------|--------------|-----------|------------|
| 1    | RAZER | RZ01-0390  | PCB          | N/A       | 3.79       |

Note: The antenna gain is provided by the manufacturer.

## 3. TEST RESULTS

For BLE:

| Frequency (MHz) | Max. Output power (dBm) | Max Output power (mW) | Distance (mm) | Result | Limit |
|-----------------|-------------------------|-----------------------|---------------|--------|-------|
| 2480            | 4.47                    | 2.799                 | 5             | 0.882  | 7.5   |

For 2.4G SRD:

| Frequency (MHz) | Max. Output power (dBm) | Max Output power (mW) | Distance (mm) | Result | Limit |
|-----------------|-------------------------|-----------------------|---------------|--------|-------|
| 2480            | 4.56                    | 2.858                 | 5             | 0.900  | 7.5   |

Note:

- (1) Output power including tune up tolerance.
- (2) No SAR evaluation required since transmitter power is below FCC threshold.

**End of Test Report**