

Human Exposure Report

FCC ID: RWO-RZ010248

Project No. : 1712C044
Equipment : Gaming Mouse
Test Model : RZ01-0248
Series Model : RZ01-0248XXXX-XXXX (X: Can be 0-9, A-Z)
Applicant : Razer Inc.
Address : 201 3rd Street, Suite 900, San Francisco,CA
94103,USA

Standards: : 47 CFR PART 1, Subpart I, Section 1.1310

Date of Receipt : Dec. 07, 2017
Date of Test : Dec. 13, 2017 ~ Jan. 26, 2018
Issued Date : Feb. 08, 2018
Tested by : BTL Inc.

PREPARED BY :



(Welly Zhou/ Technical Engineer)

APPROVED BY :



(Steven Lu / Technical Manager)

B T L I N C .

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1. GENERAL INFORMATION

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm registration number for FCC: 854385

BTL's designation number for FCC: CN5020

2. TEST RESULTS

2.1 LIMITS

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational / Controlled Exposures | | | | |
| 0.3-3.0 | 614 | 1.63 | *(100) | 6 |
| 3.0-30 | 1842/f | 4.89/f | *(900/f ²) | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | / | / | f/300 | 6 |
| 1500-100000 | / | / | 5 | 6 |
| (B) Limits for General Population / Uncontrolled Exposures | | | | |
| 0.3-1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34-30 | 824/f | 2.19/f | *(180/f ²) | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | / | / | f/1500 | 30 |
| 1500-100000 | / | / | 1.0 | 30 |
| F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310 (use the 300kHz limits for 150kHz: 614V/m, 1.63A/m). | | | | |

2.2 MEASUREMENT DATA

1. Gaming Mouse has been charge at intermediate charge.

Electric Field Emissions

| Test Position | Probe Measure Results (V/m) | Limit (V/m) | 30% Limit (V/m) |
|---------------|-----------------------------|-------------|-----------------|
| | intermediate charge | | |
| Front Side | 15.67 | 614 | 184.2 |
| Back Side | 35.66 | 614 | 184.2 |
| Left Side | 47.12 | 614 | 184.2 |
| Right Side | 34.27 | 614 | 184.2 |
| Top | 19.45 | 614 | 184.2 |
| Bottom | 27.25 | 614 | 184.2 |

Magnetic Field Emissions







| Test Position | Probe Measure Results (A/m) | Limit (A/m) | 30% Limit (A/m) |
|---------------|-----------------------------|-------------|-----------------|
| | intermediate charge | | |
| Front Side | 0.0131 | 1.63 | 0.489 |
| Back Side | 0.0974 | 1.63 | 0.489 |
| Left Side | 0.0998 | 1.63 | 0.489 |
| Right Side | 0.0962 | 1.63 | 0.489 |
| Top | 0.0472 | 1.63 | 0.489 |
| Bottom | 0.0289 | 1.63 | 0.489 |

3. MEASUREMENT INSTRUMENTS LIST

| Human Exposure | | | | | |
|----------------|--------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | EM Radiation Meter | N/A | EMR-30 | E-081 | Apr. 01, 2018 |

Remark: "N/A" denotes no model name, serial no. or calibration specified.
 All calibration period of equipment list is one year.

4. TEST PHOTOS

| Front Side | Back Side |
|---|--|
|  |  |
| Left Side | Right Side |
|  |  |
| Top | Bottom |
|  |  |