

## Razer Inc.

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia MD 21046

C.C.: Telefication B.V., Dept. FCC TCB  
Edisonstraat 12A  
6902 PK ZEVENAAR  
The Netherlands

Subject: Requesting Class II permissive change for FCC ID: RWO-RZ090510.  
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for  
FCC ID: RWO-RZ090510, granted on 11/20/2023.  
The major change field under this application is:

1. The subject approved module is being used in a portable configuration- a Notebook PC (Brand name/Model: RAZER/ RZ09-0510), the distance between antenna and human body is 0mm. SAR testing was performed to demonstrate RF compliance. Because the antenna gain is lower than that of the module, RF testing was also performed to demonstrate RF compliance.
2. The difference compared with the original module design is antenna change. Two groups antennas are used for the subject approved module in the Notebook Computer as below listed.

Original module:

| ANTENNA INFORMATION (2.4 GHz) |                        |
|-------------------------------|------------------------|
| ANTENNA DESCRIPTION           | GAIN (dBi) or Integral |
| PIFA Reference Antenna        | 2.95                   |
| Dipole Reference Antenna      | 2.95                   |
| Monopole Reference Antenna    | 2.83                   |

| ANTENNA INFORMATION (5.150 – 5.895 GHz) |                        |
|---|------------------------|
| ANTENNA DESCRIPTION                     | GAIN (dBi) or Integral |
| PIFA Reference Antenna                  | 5.11 – 5.15            |
| Dipole Reference Antenna                | 4.03 – 5.15            |
| Monopole Reference Antenna              | 4.43 – 4.95            |

| ANTENNA INFORMATION (5.925-7.125 GHz) |                        |
|---------------------------------------|------------------------|
| ANTENNA DESCRIPTION                   | GAIN (dBi) or Integral |
| PIFA Reference Antenna                | 4.88 – 5.02            |
| Dipole Reference Antenna              | 4.49 – 5.02            |
| Monopole Reference Antenna            | 4.79 – 4.91            |

Notebook:

| Antenna Information | Ant.     | Manufacturer                | Ant. Part number | Type | Frequency Range (MHz) | Gain (dBi) |
|---------------------|----------|-----------------------------|------------------|------|-----------------------|------------|
|                     | Main Ant | Amphenol Taiwan Corporation | BY510A-15-001-C  | PIFA | 2400-2483.5           | 2.92       |
|                     |          |                             |                  |      | 5150-5250             | 2.42       |
|                     |          |                             |                  |      | 5250-5350             | 3.77       |
|                     |          |                             |                  |      | 5470-5725             | 3.10       |
|                     |          |                             |                  |      | 5725-5850             | 2.21       |
|                     |          |                             |                  |      | 5925-6425             | 2.17       |
|                     | Aux Ant  | Amphenol Taiwan Corporation | BY510A-15-001-C  | PIFA | 2400-2483.5           | 2.88       |
|                     |          |                             |                  |      | 5150-5250             | 1.04       |
|                     |          |                             |                  |      | 5250-5350             | 1.58       |
|                     |          |                             |                  |      | 5470-5725             | 2.64       |
|                     |          |                             |                  |      | 5725-5850             | 3.67       |
|                     |          |                             |                  |      | 5925-6425             | 2.64       |

3. Reduce the Output Power through software, and SAR measurement was evaluated.

Please contact me if you have any questions or need further information regarding this application.

Best Regards



Name: Johnsen Tia  
Title: Director, Regulatory & Compliance  
Date: 2023-12-18

Razer Inc.  
9 Pasteur, Suite 100, Irvine, CA 92618, USA.