

Razer Inc.

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

C.C.: TCB KIWA Netherlands B.V. Dept. FCC TCB
Wilmersdorf 50
7327 AC Apeldoorn
Postbus 137

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(For DTS,DSS,6CD).
FCC ID:RWO-RZ090510, granted on 01/22/2024(For NII).
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/ RZ09-0529), 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 Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250 MHz	5.3GHz 5250-5350 MHz	5.6GHz 5470-5725 MHz	5.8GHz 5725-5850 MHz	5.9GHz 5850-5989 MHz	6.2GHz 5925-6425 MHz	6.5GHz 6425-6625 MHz	6.7GHz 6625-6875 MHz	7.0 GHz 6875-7125 MHz
Main	2.55	2.79	2.69	3.64	3.39	3.92	3.52	3.07	3.58	3.52
Aux	2.37	3.13	3.32	2.50	3.45	3.71	3.35	3.46	3.38	2.01

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: 2025-02-14