

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-RZ090484.
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: RWO-RZ090484, granted on 23 Dec 2022.
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/ RZ09-0485), 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: AX211NGW

ANTENNA INFORMATION	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
SkyCross reference Antenna(s)- Type PIFA	
2400-2484 MHz	3.24 dBi
5150-5250 MHz	3.64 dBi
5250-5350 MHz	3.73 dBi
5470-5725 MHz	4.77 dBi
5725-5850 MHz	4.97 dBi
Antenna - Intel Reference for WiFi 6E	
6.2 GHz	4.83 dBi
6.5 GHz	4.30 dBi
6.6 GHz	5.37 dBi
7.0 GHz	5.59 dBi

Notebook:

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	Amphenol Taiwan Corporation	BY5973-15-001-C	PIFA	2400-2500	2.74
				5150-5350	3.31
				5470-5725	3.76
				5725-5850	3.25
				5925-6425	3.73
				6425-6525	2.84
				6525-6875	2.84
				6875-7125	2.38
Aux	Amphenol Taiwan Corporation	BY5962-15-001-C	PIFA	2400-2500	2.53
				5150-5350	3.19
				5470-5725	3.59
				5725-5850	3.59
				5925-6425	3.02
				6425-6525	3.63
				6525-6875	3.47
				6875-7125	3.01

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

A handwritten signature in blue ink, appearing to read 'Johnsen Tia', with a large, sweeping flourish above the name.

Johnsen Tia
Senior Director, Regulatory & Compliance
Date: 2022-12-22