

Razer Inc.

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

C.C.: Kiwa Netherlands B.V., Dept. FCC TCB
Wilmersdorf 50
7327 AC Apeldoorn
The Netherlands

Subject: Requesting Class II permissive change for FCC ID: RWO-RZ090508.
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: RWO-RZ090508, granted on 01/03/2024.
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/ RZ09-0508), 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 Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
1	Chain0/1	Hong-Bo	260-25094	3.53	2.4~2.4835GHz	0.74	PIFA	MHF 4L	300mm
				3.06	5.15~5.25GHz	1.16			
				3.07	5.25~5.35GHz	1.18			
				4.81	5.47~5.725GHz	1.26			
				4.2	5.725~5.850GHz	1.28			
2	Chain0/1	Hong-Bo	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	MHF 4L	300mm
				5.14	5.925~6.425 GHz	1.35			
				5.09	6.425~6.525 GHz	1.38			
				5.16	6.525~6.875 GHz	1.45			
				5.12	6.875~7.125 GHz	1.50			
3	Chain0/1	Hong-Bo	260-25084	3.22	2.4~2.4835 GHz	0.49	Monopole	MHF 4L	200mm
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.77			
				4.77	5.470~5.725 GHz	0.80			
				4.72	5.725~5.850 GHz	0.84			
				4.71	5.850~5.895 GHz	0.84			
				4.75	5.925~6.425 GHz	0.86			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			

Notebook:

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	Amphenol Taiwan Corporation	BY507A-16-001-C	PIFA	2400-2483.5	3.16
				5150-5250	2.67
				5250-5350	2.83
				5470-5725	2.99
				5725-5850	3.66
				5850-5895	3.60
Aux	Amphenol Taiwan Corporation	BY507A-16-002-C	PIFA	2400-2483.5	3.09
				5150-5250	2.79
				5250-5350	2.81
				5470-5725	4.47
				5725-5850	3.51
				5850-5895	3.01

Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)
Main	Amphenol Taiwan Corporation	BY507A-16-001-C	PIFA	5925 - 6425	4.38
				6425 - 6525	3.92
				6525 - 6875	4.29
				6875 - 7125	4.29
Aux	Amphenol Taiwan Corporation	BY507A-16-002-C	PIFA	5925 - 6425	3.39
				6425 - 6525	3.68
				6525 - 6875	4.46
				6875 - 7125	4.46

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: 2024-01-04

Signed:

A handwritten signature in blue ink, appearing to read 'Tia Johnsen', written over the 'Signed:' label.