



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-RZ090581.
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: RWO-RZ090581, granted on 01/16/2026.
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/ RZ09-0581), 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:



Tri-Band :

Transmitter	Chain A(1)	Chain B(2)
Manufacturer	Intel WRF Lab	Intel WRF Lab
Antenna type	PIFA	PIFA
Part number	WRF-Tri Band-Antenna	WRF-Tri Band-Antenna

Dipole :

Transmitter	Chain A(1)	Chain B(2)
Manufacturer	WIESON	WIESON
Antenna type	Dipole	Dipole
Part number	ARY121-0009-002-H0	ARY121-0009-002-H0

Monopole :

Transmitter	Chain A(1)	Chain B(2)
Manufacturer	Changshu HongBo Telecommunication Technology Co., Ltd.	Changshu HongBo Telecommunication Technology Co., Ltd.
Antenna type	Monopole	Monopole
Part number	260-25095	260-25095

Frequency Band	Peak gain w/cable loss (dBi)
2.4 GHz (2400.0 – 2500.0 MHz)	2.95
5.2 GHz (5150MHz-5250MHz)	5.11
5.4 GHz (5250MHz-5470MHz)	5.15
5.6 GHz (5470MHz-5725MHz)	5.15
5.8 GHz (5725MHz-5925MHz)	5.13
6.2 GHz (5925MHz-6425MHz)	5.02
6.5 GHz (6425MHz-6525MHz)	4.91
6.6 GHz (6525MHz-6875MHz)	4.96
7.0 GHz (6875MHz-7125MHz)	4.96



Notebook:

Antenna Information	Ant.	Manufacturer	Ant. Part number	Type	Band	Gain (dBi)
	Main Ant	Quectel	Y4RRW0MA4CA	I-PEX MHF4-L	2400-2483.5	2.58
					5150-5350	3.55
					5470-5725	3.45
					5725-5850	3.70
					5850-5895	2.93
					5925-6425	3.31
					6425-6525	2.63
					6525-6875	2.57
					6875-7125	2.27
	Aux Ant	Quectel	Y4RRW0MA4BA	I-PEX MHF4-L	2400-2483.5	2.58
					5150-5350	2.46
					5470-5725	2.77
					5725-5850	3.59
					5850-5895	3.54
					5925-6425	3.48
					6425-6525	3.64
					6525-6875	3.80
					6875-7125	2.87

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

Johnsen Tia (2026-01-30 20:49:33 GMT+13)

Name: Johnsen Tia

Title: Associate VP, Regulatory & Compliance

Date: 2026-01-30