MediaTek Inc.

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Subject: Requesting Class II permissive change for FCC ID: RAS-MT7925B22M.
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: RAS-MT7925B22M, granted on 09/28/2023.
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/ RZ09-0528M2), 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 PC as below listed.
   Original module:

Ant. No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency range	Antenna Type	Connector Type
1	Chain0	PSA	RFMTA340718 EMLB302	3.18 4.92	2.4~2.4835 GHz 5.15~5.85 GHz	PIFA	i-pex (MHF)
	Chain1	PSA	RFMTA340718 EMLB302	3.18 4.92	2.4~2.4835 GHz 5.15~5.85 GHz	PIFA	i-pex (MHF)
2	Chain0	PSA	RFMTA311020EMM B301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 GHz 5.15~5.85 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	PIFA	i-pex (MHF)
	Chain1	PSA	RFMTA311020EMM B301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 GHz 5.15~5.85 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	PIFA	i-pex (MHF)
3	Chain0	PSA	RFMTA421230IMM B701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	PIFA	i-pex (MHF)
	Chain1	PSA	RFMTA421230IMM B701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	PIFA	i-pex (MHF)
4	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 GHz 5.15~5.85 GHz	Dipole	R-SMA
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 GHz 5.15~5.85 GHz	Dipole	R-SMA
5	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 GHz 5.15~5.895 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	Dipole	RP SMA PLUG
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 GHz 5.15~5.895 GHz 5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	Dipole	RP SMA PLUG
6	Chain0	PSA	RFPCA460632IMM B701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	Dipole	IPEX
	Chain1	PSA	RFPCA460632IMM B701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 GHz 6.425~6.525 GHz 6.525~6.875 GHz 6.875~7.125 GHz	Dipole	IPEX

Note:
1. For PIFA antennas, Antenna No. 1 was chosen for the final test.
2. For Dipole antennas, Antenna No. 4 was chosen for the final test.

Notebook:

Ant.	Brand	Part Number	Type	Frequency Range (MHz)	Gain (dBi)
Main	Quectel	Y4RRW0MA2AA	PIFA	2400 - 2483.5	2.80
				5150 - 5250	3.62
				5250 - 5350	3.62
				5470 - 5725	3.81
				5725 - 5850	3.44
				5850 - 5895	3.44
				5925 - 6425	3.13
				6425 - 6525	3.13
				6525 - 6875	3.13
				6875 - 7125	3.13
Aux	Quectel	Y4RRW0MA2BA	PIFA	2400 - 2483.5	2.62
				5150 - 5250	3.47
				5250 - 5350	3.47
				5470 - 5725	3.43
				5725 - 5850	3.46
				5850 - 5895	3.46
				5925 - 6425	3.28
				6425 - 6525	3.28
				6525 - 6875	3.28
				6875 - 7125	3.28

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: Siegfried Chang
Title: Manager
Date: 2025-03-18