

MediaTek 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: RAS-MT7921
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for FCC ID: RAS-MT7921, originally granted on 09/25/2020.

The major change field under this application is:

1. The subject approved module is being used in a portable configuration- a Notebook Computer ((Brand name/Model: Lenovo/Lenovo Slim 7 16ARH7, Lenovo Slim 7 16ARH7xxxxx, (The "x" in the model name can be 0 to 9, A to Z, a to z, "-" or blank, it represents different sales customer code, all models only name difference)). SAR testing was 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 (GHz)	Antenna Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding cable loss Antenna Gain (dBi)
1	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5dB 5.15~5.85GHz : 0.8dB	2.92 4.67
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5dB 5.15~5.85GHz : 0.8dB	2.92 4.67
2	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included Cable loss	-
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included Cable loss	-

For Notebook computer:
Antenna Specification:

Antenna Information	Ant.	Brand	P/N	Type	Frequency Range (MHz)	Gain (dBi)	
	Main Ant	ShenZhen ZhongTianXun Communication Technolgy Shares Co.,LTD (ZTX)	2.00005087	PIFA Antenna	2400-2500	1.51	
					5150-5350	1.71	
					5470-5725	1.93	
					5725-5850	1.92	
	Aux Ant		2.00005087	PIFA Antenna	2400-2500	1.47	
					5150-5350	1.07	
					5470-5725	1.65	
					5725-5850	1.65	
	Main Ant	Shenzhen South Star Technology Co., LTD (South Star)	N12-7822-R0A	PIFA Antenna	2400-2500	0.31	
					5150-5350	0.89	
					5470-5725	1.71	
					5725-5850	-0.24	
	Aux Ant		N12-7822-R0A	PIFA Antenna	2400-2500	-0.17	
					5150-5350	1.52	
					5470-5725	1.68	
					5725-5850	-0.83	

3. For the Notebook Computer, since it is client without DFS radar detection capability, detection threshold as set to the module remains identical, and would deactivate the link as it is operated with AP only, DFS test can be excluded.

Please contact me if you have any questions or need further information regarding this application.

Best Regards



Name: Stella Chang

Funtion: Manager

Date: 2022/05/17

Signed: