Realtek Semiconductor Corp.

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: TX2-RTL8852BE
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: TX2-RTL8852BE, original granted on 08/13/2021.

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/Yoga Slim 6 14IAP8, Yoga Slim 6
    14IAP8xxxxxx, Yoga Slim 6 14IRP8, Yoga Slim 6 14IRP8xxxxxx, Lenovo Slim 7
    14IRP8, Lenovo Slim 7 14IRP8xxxxxx(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:

Ant. Set	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Frequency Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)
1	Chain 0	ARISTOTLE	RFA-27-JP326-MHF4300	3.5	2.4~2.4835	PIFA	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
	Chain 1	ARISTOTLE	RFA-27-JP326-MHF4300	3.5	2.4~2.4835	PIFA	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
2	Chain 0	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
	Chain 1	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			

For Notebook computer:
Antenna Specification:

Ant.	Brand	Ant. Part number	Type	Frequency Range (MHz)	Gain (dBi)
Main Ant	AWAN	AYP6Y-200053	PIFA	2400-2500	2.45
				5150-5350	1.12
				5470-5725	2.34
				5725-5850	1.72
Aux Ant			PIFA	2400-2500	1.95
				5150-5350	1.18
				5470-5725	1.57
				5725-5850	1.99
Main Ant	INPAQ	WA-P-LELE-04-024	PIFA	2400-2500	2.31
				5150-5350	1.25
				5470-5725	2.21
				5725-5850	1.84
Aux Ant			PIFA	2400-2500	2.01
				5150-5350	1.12
				5470-5725	1.63
				5725-5850	1.75

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: Dana Liaw
Funtion: Project Manager
Date: 2022/11/08
Signed: