

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-RTL8822CE
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for FCC ID: TX2-RTL8822CE, original granted on 11/02/2018.

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: see SAR test report), the distance between antenna and human body is 3.5mm and the original module report the distance is 20cm. 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.	Type	Brand	Antenna Gain (dBi)	Note
1	PIFA	LYNwave	3.5	2.4G
			5	5G
2	Dipole	PSA	3.14	2.4G
			5	5G

For Notebook computer:

Antenna Specification:

Antenna Information	Ant.	Brand	Model	Type	Frequency Range (MHz)	Gain (dBi)	
	Main Ant	ZhongTianXun (ZTX)	2.00005187	PIFA Antenna	2400-2500	1.58	
					5150-5350	3.27	
					5470-5725	3.34	
					5725-5875	3.49	
	Aux Ant		2.00005184	PIFA Antenna	2400-2500	1.29	
					5150-5350	2.39	
					5470-5725	3.58	
					5725-5875	3.97	
	Main Ant	Shenzhen South Star Technology Co., LTD	N12-8011-R0A	PIFA Antenna	2400-2500	1.04	
					5150-5350	0.60	
					5470-5725	0.83	
					5725-5875	0.53	
	Aux Ant		N12-8012-R0A	PIFA Antenna	2400-2500	1.13	
					5150-5350	1.82	
					5470-5725	2.29	
					5725-5875	1.94	

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
Function: Project Manager
Date: 2022/01/13

Signed:

