

# Realtek Semiconductor Corp.

Federal Communications Commission  
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C.C.: Telefication B.V., Dept. FCC TCB  
Edisonstraat 12A  
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The Netherlands

Subject: Requesting Class II permissive change for FCC ID: TX2-RTL8821CE

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for FCC ID: TX2-RTL8821CE, original granted on 12/12/2016.

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	Dipole	PSA	3.14	2.4G
			5	5G
2	PIFA	LYNwave	3.5	2.4G
			5	5G

Group 1 for Notebook computer:

Ant.	Type	Antenna Mfr.	Antenna Gain (dBi)	Note
1	PIFA	INPAQ	1.42	2.4G
			1.25	5G
2	PIFA	INPAQ	1.26	2.4G
			2.45	5G

Group 2 for Notebook Computer:

Ant.	Type	Antenna Mfr.	Antenna Gain (dBi)	Note
1	PIFA	South Star	3.81	2.4G
			2.42	5G
2	PIFA	South Star	3.31	2.4G
			3.14	5G

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: 2019/01/10

Signed:

A handwritten signature in blue ink, appearing to read "Dana Liaw".