

UNII Declaration Letter

We have declared below featured for FCC equipment authorization, device FCC ID:
TX2RTL8192DEB8

(1) DFS Device -- Master, Client with Radar detection capability ,
 Client without radar detection capability, N/A

(2) Active / Passive Scanning , adhoc mode access point capability

| Frequency Band (MHz) | Active Scanning (the device can transmit a probe (beacon)) | passive scanning (where the device is can listen only with no probes) | Ad Hoc Mode capability | Access point capability |
|----------------------|--|---|--|--|
| 2412 – 2462 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 2422 – 2452 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5745 – 5825 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5755 – 5795 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5180 – 5240 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5190 – 5230 MHz | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5260 – 5320 MHz | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5270 – 5310 MHz | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5500 – 5700 MHz | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |
| 5510 – 5670 MHz | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Yes, <input type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No |

(3) Country code selection ability - Yes , No

If no, pls explain how was implemented : **For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.**

(4) Meet 15.202 requirement - Yes , No ,

pls check below :

A master device is defined as a device operating in a mode in which it has the capability to transmit without receiving an enabling signal. In this mode it is able to select a channel and initiate a network by sending enabling signals to other devices

A client device is defined as a device operating in a mode in which the transmissions of the device are under control of the master. A device in client mode is not able to initiate a network.


(5) For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others) in different bands (devices with multiple equipment classes or those that operate on non-DFS frequencies) or modular devices which configure the modes of operations through software, the application must provide software and operations description on how the software and / or hardware is implemented to ensure that proper operations modes can not be modified by end user or an installer.

Apply , No Apply ,

Reason: The firmware of EUT is set by factory. There is no any software that can be modified by end-user.

Applicant: Realtek Semiconductor Corp.

Address: No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan

Signature: 

Name and Job Title: Judy Hsu