

UNII Declaration Letter

Date: 19 Dec, 2017
 FCC ID: 2AJYB-S810
 IC : 20504-S810

We have declared below featured for device identified as

(1) DFS Device

- Master, Client with Radar detection capability,
- Client without radar detection capability (Refer to KDB 905462 D03), N/A

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

Frequency bands -MHz	Active Scanning (transmit a probe)	Passive scanning (listen only)	Ad Hoc Mode or capability	Access point capability	WIFI Direct Group Owner	WIFI Direct Group Client
2412 - 2462	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<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
5150 - 5250	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5250 - 5350	<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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5470 - 5725	<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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5725 - 5850	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

(3) Country code selection capability to end user- Yes No

If yes, please explain how it was implemented and provide detail of options for each country selection

(4) Transmission in 5600 MHz to 5650 MHz is notched - Yes No

(5) Meet Part 15.202 requirement - Yes No

- 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 can 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.

(6) 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't be modified by end user or an installer. (Software security description as specified in KDB Publication 594280 D02 must be included)

Apply N/A

Operation is controlled by software via "linux wireless regulatory - CRDA"
 Country code is programmed on production line ("US" used both for Canada and USA)
 Software update mechanism is tamper-proof, only images with correct signature are accepted, module is locked to prevent access
 Customer cannot change country code
 On DFS channels, the WLAND driver on the device operates under the control of an AP at all times. When connection to AP is lost, transmission is inhibited
 Access point mode is only used for setup and only using 2.4GHz band

Signature : 
 Name : DI Christoph Apel
 Title/Position : HW development manager
 Email : christoph.apel@steamunlimited.com