



Ralink Technology Corporation

Channel plan and software operational info

Question 1

A Statement of Conformity for the Client in Non-Associated mode is required. The Form 731 application must include a Cover Letter Attachment stating that the client software and associated drivers will not initiate any transmission on DFS frequencies without initiation by a master. This includes restriction on transmissions for beacons and support for ad-hoc peer-to-peer modes.

<Reply>

We declare that the device does not have "Ad Hoc on non-US frequencies" and/or "on DFS frequencies" while applying for the product.

Our software and associated drivers will not initiate any transmission on DFS frequencies. This includes transmissions for beacon ad-hoc peer-to-peer modes. Also, this model is client device without Radar detection.

Question 2

Submit a channel/frequency plan for this device showing the channels that have active scanning or passive scanning. Active scanning is where the device can transmit a probe (beacon) and passive scanning is where the device is can listen only with no probes.

<Reply>

The radio supports 802.11d and will not transmit until a valid Master device is detected.

In the case when 802.11d is not activated then only non-DFS channels are actively probed. Also, we have asked test lab to perform a boot up test to monitoring if the device should generate any beacon in the DFS bands.

Question 3

For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others) or in different bands (devices with multiple equipment classes or those that operate on non-DFS frequencies), or modular devices that configure the modes of operations through software; the applicant must provide in the application software and operations description that discuss how the software and / or hardware is implemented to ensure that proper operations modes cannot be modified by an end user or an installer. Also, include an attestation that the device complies with the requirements for software configuration control as discussed in KDB #594280.

<Reply>

On DFS channels, the WLAN driver on the device operates under the control of an AP at all times, except when in ad-hoc mode, on US non-DFS channels. As described in the answer to question 1, the device passively scans DFS frequencies until a master device is detected. As part of the DFS functionality in the WLAN driver, software is implemented to react to radar detection messages and move to a new channel. The control of this functionality is not accessible to anyone under any conditions. Furthermore, the firmware is protected by CRC method and cannot be changed or modified by end user, this will

cause WLAN non-workable. Anyway the device complies with the requirements for software configuration control as discussed in KDB #594280.

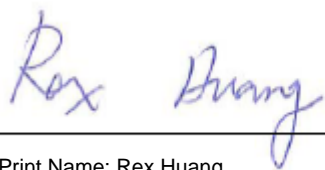
Finally, We declare that our device doesn't do active scanning in the DFS frequencies. This behavior is controlled by software.

FCC ID: VQF-RT3572

If you have any questions regarding the authorization, please don't hesitate to contact us.

Thank you!

Sincerely yours,

A handwritten signature in blue ink that reads "Rex Huang". The signature is written in a cursive, flowing style. Below the signature is a horizontal line.

Print Name: Rex Huang

Manager

Ralink Technology Corporation

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