

# **Extreme Networks, Inc.**

**9 Northeastern Blvd. Salem, NH, United States, 03079**

Question #: Since product (FCC ID: QXO-AP3825E / IC: 4141B-AP3825E) is for DFS indoor master application.

This application need to address following questions in a separate document(s).

1) Does this device meet the requirements for operation in the 5400 – 5725 MHz band specified in KDB 443999?

Yes

2) Is this an indoor device, outdoor device, or multi-use device? A multi-use device can operate in both indoor and outdoor configurations; such device will have to meet all the requirements for outdoor device.

Indoor

3) Verify that the 5600 – 5650 MHz band is notched. The test report should include 20 dB BW plots for the 5600 and 5650 MHz band edges and an attestation statement that the device does not transmit in the notched band.

Yes

4) Verify that this application contains a complete User's Manual and/or Professional Installers Manual. If the manual is not complete, upload an updated User's Manual exhibit.

Yes

5) Verify that this device meets the uniform channel spreading requirements on the remaining (non-notched) channels once the device is in operation.

**Yes** Uniform Channel Spreading: The AP825i and AP3825e utilizes Dynamic Frequency Selection and Channel Availability checks to ensure uniform spreading of the load across all available channels in the 5.25-5.35 GHz and 5.47-5.725 GHz bands. Each of the usable channels are utilized with approximately equal probability. Upon startup a Channel Availability Check is performed. When a RADAR event is detected, the AP starts Auto Channels Selection mode and selects the next channel based on the channel occupancy (assess all channels from the channel list and select one with the lowest "load", where load is determined based on the channel activity, number of other AP on the channel). This prevents adjacent AP's from operating on the same channels and disperses band utilization.

6) Explain how this device meets the Software Configuration Control requirements of KDB 594280 including country code selection – see draft KDB at (<https://fjallfoss.fcc.gov/eas/comments/GetPublishedDocument.html?id=205&tn=511416>). If there is any user permitted configuration control, please explain what controls are provided to the user and if any will take the device out of compliance; also explain what prevents the end user from downloading and operating non-US software.

The customer release does not provide any ability to customize or disable the DFS parameters. The image provided with AP cannot be modified by users in the field. The AP image is a monolith image (As per FIPS definition) and is not possible to modify partial functionality of the image by the end user.

Additional questions for outdoor and multi-use devices: (KDB443999)

7) Submit a Letter Exhibit identify the specific expertise and the training required by the professional installers for installing these types of devices.

N/A

8) Explain how this device can meet the 30 MHz frequency separation from TDWR (i.e.: Manually blocking frequencies by the professional installer, device notches 5470 -5680 MHz,etc.)

N/A

9) Does the manual for the installers and operators contain the information on how to register the device with the voluntary industry data base if operating within 35 km of any TDWR site location?

N/A

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