

Applicant reply to

Office of Engineering and Technology

To: Yunus Faziloglu,
certification@curtis-strauss.com
From: Stan Lyles
Stanley.Lyles@fcc.gov
Re: FCC ID: H8N-WLU5150
Applicant: Askey Computer Corp
Correspondence Reference Number: 114798
Form 731 Confirmation Number: TC303853
Date of Original E-mail: 12/28/2011

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

Reply: The product can transmit only under the control of a master device. The device will stay idle without any beacon or active probing in all DFS bands.

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.

Reply: This is an indoor device only.

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.

Reply: Please check provided 20dB bandwidth report for 5600 and 5650 MHz band edges.

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.

Reply: The manual is a completed version and includes sufficient information for user.

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

Reply: The device is controlled by master device.

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.

Reply:

Country code:

The Atheros software and user interface DOES NOT provide any option to the end user to choose a

country of operation. If creating an 802.11 infrastructure connection the client will operate under the control of a master (and 802.11 Access Point).

In general, the client initializes itself in a safe harbor configuration. This limits the client to operate within the common set of rules shared by all regulatory regions. The client may move out of this state as it learns of its location.

When in safe harbor configuration the client will not initiate transmissions on 2.4 GHz band channels 12-14 or in the 5 GHz band and will passive scan only.

The clients will always act on a 5GHz channel switch announcement as required by DFS or other 802.11 activities.

If a master is discovered which meets the local connection criteria of the client, the client may connect to that master.

WiFi direct/AdHoc mode:

Initiating 802.11 Ad Hoc and Wi-Fi Direct Group Owner functions are only supported on non-radar channels. Atheros clients may join Wi-Fi direct sessions initiated by other devices in radar channels but will not initiate new sessions in radar channels. When joining a Wi-Fi direct session in a radar channel, the Atheros device will follow client requirements.

Additional questions for outdoor and multi-use devices:

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

Reply: The device is an "indoor client", the professional installation is not applicable to this device.

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.)

Reply: The device is an "indoor client". The mentioned requirement is for Master device and is not applicable to this device.

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?

Reply: The device is an "indoor client". The mentioned requirement is for Master device and is not applicable to this device.