

To: Steven . Dayhoff
Date: 12/22/2010 00:00:00
Subject: Info Request

Message:

1) Does this device meet the requirements for operation in the 5400 ? 5725 MHz band specified in KDB 443999?
Response: 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.
Response: This is a multi-use device

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.
Fortress: The 5600 ? 5650 MHz band is notched. Test report will be included

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.
Response: A complete user?s manual is provided.

5) Verify that this device meets the uniform channel spreading requirements on the remaining (non-notched) channels once the device is in operation.
Response: When a DFS event occurs, the next available channel of a greater frequency is always used. If another DFS event occurs, then the next higher available channel is used, and so on. When the highest available channel is reached, this process starts again at the lowest available channel in a wrapping fashion.

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. Additional questions for outdoor and multi-use devices:

Response: The device meets KDB 954280 by not allowing any configuration options to be made such that the device could be taken out of compliance. There is no ability for the user to change country codes or to select power levels that would take the device out of compliance.

For customers such as the U.S. military or other customers willing to produce evidence that the particular devices will be used only outside of the United States, there is a special license from Fortress which will allow those particular devices the option of selecting a different, non-US country code. These special licenses created by Fortress only for those customers who offer proof of the device usage and these licenses are tied to particular boxes and are not transferrable to other devices. Devices which have this special license should NOT be considered to be compliant with FCC.

Only software that has been signed by Fortress using the Fortress private key can be loaded onto the box, thus insuring that no software other than that which is controlled and signed by Fortress can be loaded onto the device.

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

Response: Professional installers are required to be knowledgeable of how the Max EIRP is calculated based upon transmit power, antenna gain, cable loss, and network mode so that the proper selections can be made.

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.).

Response: All frequencies within 30MHZ of 5600 ? 5650 MHZ have been disabled by default and the user may not enable them. The frequencies may be enabled by special license codes made available by Fortress. These licenses are associated to a particular physical unit and they will only be issued by Fortress after some proof of compliance of the restrictions of KDB 443999 in terms of have at least 30 MHz of separation when within 35 km of the listed TDWR sites.

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?

Response: No. However, the tables of TDWR sites as given in KDB 443999 is provided in the user manual and on the Fortress web site.