



To: FCC
From: Moti Ezra,
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Applicant: Alvarion Ltd.
FCC ID: LKT-EXTR-50
Correspondence Reference Number: 39238
731 Confirmation Number: EA373213
Date: 02/06/2011

Subject: FCC Equipment Authorization System

Here Attached answers to FCC letter from 10/27/2010 using the latest KDB publication.

1) Does this device meet the requirements for operation in the 5470 – 5725 MHz band specified in KDB 443999?

The device meets the requirements for operation in the 5400-5725 MHz band specified in KDB 443999. The 5600-5650 MHz band is notched out and the allowed operating frequencies of either a master or a client device installed within 22 miles (35 kilometers) of a Terminal Doppler Weather Radar (TDWR) location are separated by at least 30 MHz (center-to-center) from the TDWR operating frequency.

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.

The device is an outdoor 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.

The 5600-5650 MHz band is notched. The test report includes 20 dB BW plots for the 5600 and 5650 MHz band edges (see page 27). *Declaration was sent by separated letter.*

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.

A complete System Manual was released; it contains all the relevant data and notes to meet the requirements of operation in US in the 5470 – 5725 MHz band, as specified in KDB 443999 and in KDB 594280.

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

The device meets the uniform channel spreading requirements by randomly selecting the operational channel within the remaining (non-notched) channels.

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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.

For 5.4 GHz units, only the installer has the ability to change the country code to FCC, and FCC Country Code becomes read-only and cannot be modified. For 5.4 GHz FCC units, the FCC Country Code is hard-coded from factory and cannot be modified. As such the user can not alter or modify the DFS operation mode or impact the performance of DFS.

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.

It will be sent by separated letter

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 5570 -5680 MHz, etc.)

The operating frequencies of either a master or a client device installed within 22 miles (35 kilometers) of a Terminal Doppler Weather Radar (TDWR) location are separated by at least 30 MHz (center-to-center) from the TDWR operating frequency. The certified installer will block from configuration the use of frequencies adjacent to TDWR operational channel according to the above mentioned restrictions; the list of permitted channels to be scanned and used for operation is configured manually by the certified installer.

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?

The System Manual contains the information on how the installers and operators to register the device with the voluntary industry data base if operating within 35 km of any TDWR site location.

Moti Ezra

A handwritten signature in blue ink, appearing to read "Moti Ezra", is positioned below the printed name.

Certification Group Manager

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