Office of Engineering and Technology

To:	Michael Boschma, MBoschma@dlink.com
From:	Stan Lyles Stanley.Lyles@fcc.gov
Re: FCC ID:	KA2AP1522B1
Applicant:	D Link Corporation
Correspondence Reference Number:	40658
Form 731 Confirmation Number:	EA303059
Date of Original E-mail:	11/29/2011

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

<D-Link Answer> 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.

<D-Link Answer> It's indoor 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.

<D-Link Answer> Yes, the 5600-5650 MHz band is notched.

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.

<D-Link Answer> Yes, it does.

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

<D-Link Answer> Yes, it does.

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.

<D-Link Answer> Domain code (country code) is stored in flash during mass production. There is no user permitted configuration control.

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.

<D-Link Answer> N/A. (It's indoor only.)

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.)

<D-Link Answer> N/A. (It's indoor only.)

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?

<D-Link Answer> N/A. (It's indoor only.)

1. Per FCC KDB 594280 and CFR 47 rule parts quoted therein, users and any third-party installers/integrators/dealers/distributors (i.e., anyone one other than the grantee) are not allowed to modify the software that changes the frequency range, modulation type, maximum output power, or other radio frequency parameters outside those that were approved except for compliance purpose and/or through the Class II Permissible change process. Furthermore, any on-site adjustment of frequency selection parameters and DFS parameters are specifically prohibited in the KDB.

<D-Link Answer> The frequency range, modulation type, maximum output power are determined in manufacture. The procedure is protected by user name and password which won't be exposed to user.

2. Please confirm that the manufacturer control of country code, TX power setting, channel selection and DFS radar detection enable/disable is through a password protected web page. There is no alternative way to change conductive power, frequency table or other RF parameters other than changing the embedded source code which can only be done by the manufacturer or its contractors at the manufacturer□s request. Attestation is required indicating that no third-party shall have software, or configuration control, to program the device out of compliance of the technical rules under which the device has been certified.

<D-Link Answer > The manufacturer control of country code is protected by user name and password. TX power setting, frequency range and DFS behavior will follow the country code automatically. The Wi-Fi driver (including DFS behavior) is provided with type of binary and source code won't be provided to user.

3. What security and control mechanism does the grantee use to ensure that no unauthorized parties can modify configurations?

<D-Link Answer > It must log in the device with special user name and password in order to modify country code. The log in procedure won't be exposed to user.

4. Please confirm that company does not currently engage in OEM/ODM sales of hardware platform and assist in customization and porting of alternative software. If the company does engage in such sales activities in the future, it will not under any circumstance alter the DFS channel behavior or provide source code to aid in such alteration resulting in violation of US regulatory rules.

<D-Link Answer > DAP-1522 B supports multiple countries with single hardware and firmware. The frequency range and DFS behavior are determined by the country code which stored in the flash. As describing above the country code is controlled by manufacture and user is not permitted to modify such information/settings.

The items indicated above must be submitted before processing can continue on the above referenced application.
Failure to provide the requested information within 60 days of the original e-mail date may result in application
dismissal and forfeiture of the filing fee pursuant to Section 1.1108