Date: February 04, 2014
Federal Communications Commission
7435 Oakland Mills Road, Columbia, MD 21046

Correspondence Reference Number: 45205
Form 731 Confirmation Number: EA305074
FCC ID: WBV-HIVEAP1X1

Question: Please explain how the relay mode operates and how DFS compliance is maintained across the relay.

Answer: Aerohive WBV-:IVEAP1X1 device supports Mesh and it is compliant with FCC DFS specification. The following channel selection process shows our compliance with FCC rules.

Aerohive AP device SW will scan 5GHz channels and go through a negotiation phase to select a 5GHz channel to establish mesh with neighboring AP(s).

The list of available channels is shared between the AP's after the mesh is established. If the WiFi driver detects a radar signal on the 5GHz channel used for the mesh connection, it will select a Radar-free channel from the list and switch to the new channel. The other AP's will do the same and the Mesh will be reestablished between the neighbors on the new Radar-free channel. Radar detection and channel switch timing conforms to the conditions of the grant.

If you have any questions regarding the authorization, please don't hesitate to contact me.

Sincerely,

Serdar Ergene

Serdar Ergene
Director, HW Engineering
Aerohive Networks, Inc.
330 Gibraltar Drive
Sunnyvale, CA 94089
Phone: 408-510-6159
serdar@aerohive.com