



May 10, 2011

Federal Communications Commission
Office of Engineering and Technology
Equipment Authorization Division
7345 Oakland Mills Road
Columbia MD 21046

Subject: Class II Permissive Change to Transmitter with FCC ID: UZ7AP7131N

To Whom It May Concern:

On the basis of the test report submitted, the modification to the AP7131N Access Point satisfies the requirements for a Class II Permissive Change.

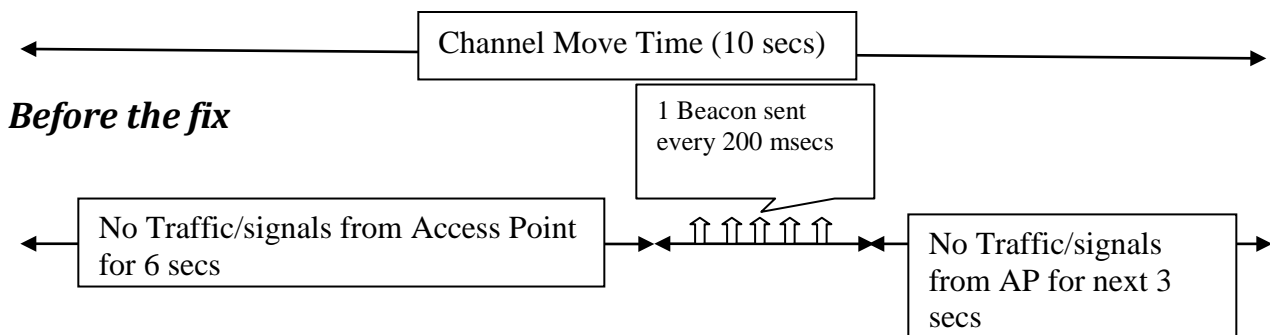
Software Changes to eliminate Beacon delay in AP7131N

The changes for this update happened in the Beacon management module which had an issue that caused it wait for 6 seconds before updating the beacon contents, while permissible under FCC rules; it causes an unnecessary reduction in throughput in the event of a radar detection occurrence. With the fix in beacon management module, the 6 second delay is removed. No changes in Radar Detection Module or Channel Management Module were made

Timeline for Post-Radar detection events

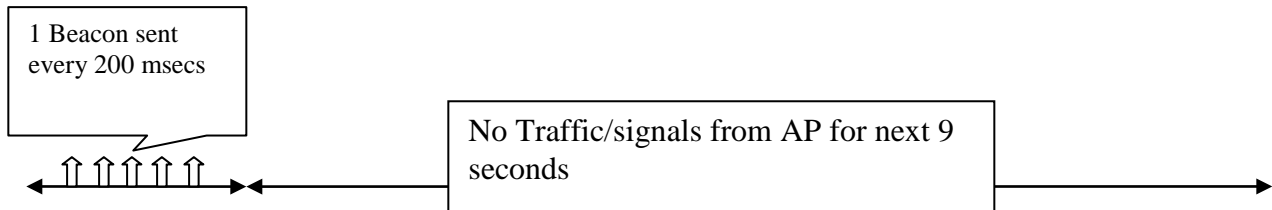
Upon a successful Radar detection, the AP stops data traffic immediately and has 10 seconds to complete the 'Channel Move Time'. Within these 10 seconds, the Access Point sends 5 beacons with the channel switch announcement information indicating to the clients the new channel. The beacons were sent after a 200 millisecond interval with the total duration of this beaconing sequence completed within 1 second. For channel closing time calculation: Beacons are 100 bytes long, sent at 6 Mbps; the total transmission time for the 5 beacons is 0.65 milliseconds, which is much less than 200 milliseconds requirement.

The fix is to change the time of commencement of those 5 beacons within the 10 second Channel Move Time window, with no impact to Channel Closing Time.





After the fix



The attached DFS test reports show continuing compliance of the transmitter DFS operation.

The above listed changes did not impact RF emissions. These changes meet the requirements for a Class II Permissive Change, in accordance with 47 CFR 2.1043.

These changes will be incorporated in the equipment bearing the identifier FCC ID: UZ7AP7131N on receipt of the updated FCC Grant.

Respectfully,

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