

DFS Client Software Configuration Attestation Letter

Date: 06 February 2013

To,
Federal Communications Commission,
Authorization and Evaluation Division.

A) Verify that this device meets the frequency requirements of section 15.202

Ans: The Lite-On Module FCC ID: PPQ-WCBN603MH has the necessary software and hardware in order to conform to the DFS client requirements of FCC Part 15 Subpart E (UNII). The associated driver along with the module ensures the following in the DFS bands:

- 1) No active scanning (prior to connection or in the connected state) is ever performed.
- 2) The client doesn't initiate any transmission without initiation by a DFS master.
- 3) During operation in adhoc mode, all the channels belonging to the DFS bands are avoided, i.e neither the module initiates nor joins a network operating in the DFS band. Thereby it is ensured that no transmissions are performed in these bands altogether.

B) For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others) or in different bands (devices with multiple equipment classes or those that operate on non-DFS frequencies), or modular devices that configure the modes of operations through software; the applicant must provide in the application software and operations description that discuss how the software and / or hardware is implemented to ensure that proper operations modes cannot be modified by an end user or an installer.

Ans: No configuration control is given to the end-user for #1 to #3 in order not to violate any of the FCC Part 15, subpart E (UNII) DFS requirements. Apart from this, it is ensured in the firmware that irrespective of the driver's configuration, it always performs passive scan in the frequencies belonging to the DFS band. Moreover, firmware is available in the form of a binary, which uses the company's proprietary tool-chain, making it impossible for anyone to modify the code.

Below is the channel/frequency plan for the device:

Channel	Frequency(MHz)	Scan type
1	2412	Active
2	2417	Active
3	2422	Active
4	2427	Active
5	2432	Active
6	2437	Active
7	2442	Active
8	2447	Active
1	2412	Active
2	2417	Active
9	2452	Active
10	2457	Active
11	2462	Active

Channel	Frequency(MHz)	Scan type
36	5180	Passive
38	5190	Passive

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44	5220	Passive
46	5230	Passive
48	5240	Passive
52	5260	Passive
54	5270	Passive
56	5280	Passive
62	5310	Passive
64	5320	Passive
100	5500	Passive
102	5510	Passive
118	5590	Passive
120	5600	Passive
134	5670	Passive
140	5700	Passive
149	5745	Passive
151	5755	Passive
153	5765	Passive
157	5785	Passive
159	5795	Passive
161	5805	Passive
165	5825	Passive

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