Dyson Technology Ltd

DFS device channel plan and software operational declaration

Date: 2019-11-08

We, **Dyson Technology Ltd**, declare that the device, FCC ID: QVHDBWIFIBLE00 Model Name: DBWIFIBLE02, DBWIFIBLE03, does not have Ad Hoc on “non-US frequencies” and/or on“ DFS frequencies“. Also, the client software and associated drivers will not initiate any transmission on DFS frequencies without initiation by a master. This includes restriction on transmissions for beacons and support for ad-hoc peer-to-peer modes.

Below is the channel / frequency plan for the device:

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

CH	36	40	44	48									
Frequency (MHz)	5180	5200	5220	5240									
Scan Type	Active	Active	Active	Active									

CH	52	56	60	64					
Frequency (MHz)	5260	5280	5300	5320					
Scan Type	Active Passive	Active Passive	Active Passive	Active Passive					

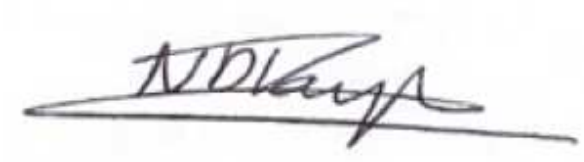
CH	100	104	108	112	116	118	120			
Frequency (MHz)	5500	5520	5540	5560	5580	5590	5600			
Scan Type	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive			
CH	124	128	132	136	140					
Frequency (MHz)	5620	5640	5660	5680	5700					
Scan Type	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive					

CH	149	153	157	161	165						
Frequency (MHz)	5745	5765	5785	5805	5825						
Scan Type	Active	Active	Active	Active	Active						

Also, on DFS channels, the WLAN driver in the device operates under the control of an AP at all times, except when in ad-hoc mode on US non-DFS channels. The device passively scans DFS frequencies until a master device is detected. The control of this functionality is not accessible to anyone under any conditions. Furthermore, the firmware is protected by a special signature and CRC checksum. Signature and CRC checksum will be calculated and verified before firmware upgrade. Unauthorized modification to firmware will lead to the failure of verification and thus firmware upgrade will not be allowed.

Sincerely yours,

Dyson Technology Ltd



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