Belkin International, Inc.

12045 East Waterfront Dr. Playa Vista, California 90094, United States

DFS device channel plan and software operational declaration

Date: 2020-11-09

We, Belkin International, Inc., declare that the device, FCC ID: K7S-08277 Model Name: E9450, does not have Ad Hoc on "non-US frequencies" and/or on" DFS frequencies" in client mode. This device supports both Master AP and Client modes. This device meets all the other requirements specified in Part 15E Section 15.407 when operating in master mode. When operating in client mode, 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.

Active scanning in DFS Bands is only available when the device is in Master AP mode. Also, on DFS channels in Client mode, 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.

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												
Frequency (MHz)												
Scan Type												

CH	36	38	40	42	44	46	48	50				
Frequency (MHz)	5180	5190	5200	5210	5220	5230	5240	5250				
Scan Type	Active	Active	Active	Active	Active	Active	Active	Active				

CH	52	54	56	58	60	62	64	
Frequency (MHz)	5260	5270	5280	5290	5300	5310	5320	
Scan Type	Active	Active	Active	Active	Active	Active	Active	

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CH	100	102	104	106	108	110	112	116	
Frequency (MHz)	5500	5510	5520	5530	5540	5550	5560	5580	
Scan Type	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	
CH	132	134	136	138	140	142	144		
Frequency (MHz)	5660	5670	5680	5690	5700	5710	5720		
Scan Type	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive	Active Passive		

CH	149	151	153	155	157	159	161	165
Frequency (MHz)	5745	5755	5765	5775	5785	5795	5805	5825
Scan Type	Active	Active	Active	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,

Po-Wen Cheng
Digitally signed by Po-Wen Cheng
Date: 2020.10.14 10:42:45 -07'00'

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