



8F., No.257, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493, Taiwan (R.O.C.)

TEL. : 02-2659-1880

## DFS client device channel plan and software operational declaration

Date: 2019-10-21

We, **SparkLAN Communications, Inc.**, declare that the device, FCC ID : RYK-WPEQ450AC Model Name :WPEQ-450AC, 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

## 5G band 1 with 80MHz

5G band 2 with 80MHz

5G band 3 with 80MHz

CH	100	102	104	106	108	110	112	116	118	120	122
Frequency (MHz)	5500	5510	5520	5530	5540	5550	5560	5580	5590	5600	5610
Scan Type	Passive										
CH	124	126	128	132	134	136	140				
Frequency (MHz)	5620	5630	5640	5660	5670	5680	5700				
Scan Type	Passive										

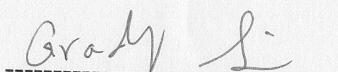
5G band 4 with 80MHz



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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,

  
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Grady Lin / R&D Manager  
SparkLAN Communications, Inc.  
Tel: 886-2-2659-1880  
Fax: 886-2-2659-5538  
E-mail: grady.lin@sparklan.com