

DFS device channel plan and software operational declaration

Date: 2019-06-10

We, <u>SonicWall Inc.</u>, declare that the device, FCC ID: 2AKCZ-0C1 Model Name: <u>APL42-0C1</u>, does not operate Ad Hoc on "non-US frequencies" and/or on "DFS frequencies". When in role as Access Point (master to client(s)) or as Mesh Point (node in mesh network) installed software complies with per FCC 905462 D02 DFS UNII DFS V02. This includes restriction on transmissions for beacons and support for mesh nodes on Mesh Point to Mesh Point. Operation as Access Point Master and Mesh Point are concurrent.

Below is the channel / frequency plan for the device:

СН	1	2	3	4	5	6	7	8	9	10) 1	1
Frequency (MHz)	2412	2417	2422	2427	2432	2437	2442	2447	2452	2 245	57 240	62
Scan Type	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active	e Activ	е
СН	36	38	40	42	44	46	48					
Frequency (MHz)	5180			5210			5240					
Frequency (MHZ)	3160	5190	5200	5210	5220	5230	5240					
Scan Type	Active	Active	Active	Active	Active	Active	Active					
СН	52	54	56	58	60	62	64					
Frequency (MHz)	5260	5270	5280	5290	5300	5310	5320					
Scan Type	Active Mesh	Active Mesh	Active Mesh	Active Mesh	Active Mesh	Active Mesh	Active Mesh					
CII	100	T 402	104	100	400	144	2 44	10 1 4	4.0	440	100	
СН	100	102	104	106	108	110	0 11	12	16	118	120	122
Frequency (MHz)	5500	5510	5520	5530	5540	555	55	60 55	580	5590	5600	561
Scan Type	Active Mesh	Active Mesh	Active Mesh	Active Mesh	Active	Active		e Activ	ve A	ctive	Active	Active
		IVIOOII	IVICSII	iviesn	Mesh	Mesh	Mesh	n Mes	h M	lesh	Mesh	Mesh
СН	124	126	128	132	Mesh 134				h M	lesh	Mesh	Mesh
CH Frequency (MHz)					134	130	6 14	10	h M	lesh	Mesh	Mesh
	124	126	128	132	134	130	6 14 60 57 e Activ	10 00 e	h M	lesh	Mesh	Mesh
Frequency (MHz) Scan Type	124 5620 Active Mesh	126 5630 Active Mesh	128 5640 Active Mesh	132 5660 Active Mesh	134 5670 Active Mesh	130 568 Active Mesh	6 14 60 57 Activ Mesh	00 e	h M	lesh	Mesh	Mesh
Frequency (MHz)	124 5620 Active	126 5630 Active	128 5640 Active	132 5660 Active	134 5670 Active	130 568 Active	6 14 60 57 e Activ	10 00 e	h M	lesh	Mesh	Mesh
Frequency (MHz) Scan Type	124 5620 Active Mesh	126 5630 Active Mesh	128 5640 Active Mesh	132 5660 Active Mesh	134 5670 Active Mesh	130 568 Active Mesh	6 14 60 57 Activ Mesh	00 e	h M	lesh	Mesh	Mesh



On all US channels including US DFS channels, the WLAN functions operates under the control SonicOs user interface and/or mesh point node. The device scans all US frequencies including DFS frequencies to identify other mesh nodes device is detected. The control of DFS functionality is not accessible to anyone under any conditions. Furthermore, SonicWall uses Public Key Infrastructure (PKI) to authenticate source of firmware reliably. SonicWall secure signing server uses PKI private key to sign the firmware. And SonicWall appliance has PKI public key to authenticate the firmware image. Digital Signature Algorithm (DSA) and secure hashing algorithm SHA to validate only SonicWall signed legitimate firmware can be allowed for upgrading. Digest hash ensure firmware is not modified. DSA can ensure firmware is authentic

Sincerely yours,

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