## DFS client device channel plan and software operational declaration

Date: 2021-01-18

We, **Sercomm Corporation, declare that the device, FCC ID: P27XHB1 Model Name: XHB1xxxxxxxx ; SCHB1AExxxxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, a to z, "blank" or "-" , for marketing purpose)**, 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
2.4G

| 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 |

5G band 1

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

5G band 2

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

5G band 3

| CH | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 116 |
|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | 5500 | 5510 | 5520 | 5530 | 5540 | 5550 | 5560 | 5580 |
| Scan Type | Passive | Passive | Passive | Passive | Passive | Passive | Passive | Passive |
| CH | 132 | 134 | 136 | 140 | | | | |
| Frequency (MHz) | 5660 | 5670 | 5680 | 5700 | | | | |
| Scan Type | Passive | Passive | Passive | Passive | | | | |

5G band 4

| 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,

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