

2 Corporate Center Drive
Melville, NY 11747
516-577-2000

Gentlemen,

Please be advised that the Model BM33 802.11abgn+BT Wireless Lan module is manufactured for the global market, but when marketed in the U.S. under FCC ID's: the non-volatile memory (NVM) will be programmed at the factory to only actively scan and operate on these specific channels during normal WLAN operation. This device will always operate at a CLIENT WIFI device except during an enrollment/setup process where the device will operate a SoftAP mode. SoftAP mode is limited to 2.4GHz, Channel 6 only. The device will never operate as a SoftAP in the 5GHz band.

Channels 1-11, 2412-2462MHz 802.11b mode
Channels 1-11, 2412-2462MHz 802.11g mode
Channels 1-11, 2412-2462MHz 802.11n mode (20MHz channel)
Channels 3-9, 2422-2452MHz 802.11n mode (40MHz channel)

The following dynamic frequency selection (DFS) channels will be programmed at the factory to passively scan and will only listen for a master device and cannot send a probe request to initiate communication on these DFS channels.

Channels 52-64, 5260-5320MHz 802.11a mode
Channels 52-64, 5260-5320MHz 802.11n mode (20MHz channel)
Channels 54-62, 5270-5310MHz 802.11n mode (40MHz channel)
Channels 100-140, 5500-5700MHz 802.11a mode
Channels 100-140, 5500-5700MHz 802.11n mode (20MHz channel)
Channels 102-134, 5510-5670MHz 802.11n mode (40MHz channel)

This device meets the requirements of FCC Part 15.202 and accordingly the following non-DFS channels will be programmed at the factory to passively scan and will only listen for a master device and cannot send a probe request to initiate communication during normal WLAN operation. Wi-Fi Direct is not used and P2P operation is not use in this device.

Channels 12-13, 2467 & 2472MHz 802.11b mode
Channels 12-13, 2467 & 2472MHz 802.11g mode
Channels 12-13, 2467 & 2472MHz 802.11n mode (20MHz channel)
Channels 10-11, 2457 & 2462MHz 802.11n mode (40MHz channel)

Channels 36-48, 5180-5240MHz 802.11a mode
Channels 36-48, 5180-5240MHz 802.11n mode (20MHz channel)
Channels 38-46, 5190-5230MHz 802.11n mode (40MHz channel)
Channels 149-165, 5745-5825MHz 802.11a mode
Channels 149-165, 5745-5825MHz 802.11n mode (20MHz channel)
Channels 151-159, 5755-5795MHz 802.11n mode (40MHz channel)

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This information when programmed into the NVM will not be accessible and can not be changed by the end user. The transmitter is approved as a non-software defined radio and OEM's and third party system integrators do not have the ability through software to allow configuration controls that would permit the device to operate outside the grant conditions per FCC KDB 594280.