



January 5, 2025

Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland 21046
USA

Subject: Model BE201D2W Wireless LAN Adapter Card
FCC ID: PD9AX211NG
IC: 1000M-AX211NG

Gentlemen:

This device meets the requirements of FCC Part 15.202 and 15.407 as a 6GHz Very Low Power (6VL) and accordingly will be programmed at the factory to passive scan (listen before talk) on the following channels. This client may initiate a brief message to associate with a low power indoor access point or subordinate or Standard Power Access Point and establish a connection only after receiving a confirmation signal confirming that an AP is present and operating on a particular channel. After being associated, the device can only initiate transmission with that access point. The Device will never directly link to any other client devices.

5925MHz - 6425MHz, 802.11a/n/ac/ax mode (all channel BWs),
6525MHz - 6875MHz, 802.11a/n/ac/ax mode (all channel BWs),

This information when programmed into the NVM will not be accessible and cannot be changed by the end user. The transmitter is approved as a non-software defined radio and OEMs 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.

Sincerely,

Benjamin Lavenant
Wireless regulatory Engineer
Intel Corporation

Intel Corporation S.A.S.

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SAS au capital de 5 208 026,16 Euros – RCS Nanterre 302 456 199 – Siret 302 456 199 00256 - TVA FR54302456199



This device meets the requirements of FCC Part 15.202 and accordingly will be programmed at the factory to active scan on the following non-DFS channels to initiate communication during normal WLAN operation. When operating in Wi-Fi Direct mode on these non-DFS channels, it may operate as a P2P client device or GO to establish a P2P network if, and only if, a master device is present and network communication is maintained between a master device and the GO.

Channels 36-48, 5180-5240MHz 802.11a mode

Channels 36-48, 5180-5240MHz 802.11n mode (20 MHz channel)

Channels 36-48, 5180-5240MHz 802.11ac mode (20 MHz channel)

Channels 38-46, 5190-5230MHz 802.11n mode (40MHz channel)

Channels 38-46, 5190-5230MHz 802.11ac mode (40MHz channel)

Channel 42, 5210MHz 802.11ac mode (80MHz channel)

Channels 149-165, 5745-5825MHz 802.11a mode

Channels 149-165, 5745-5825MHz 802.11n mode (20 MHz channel)

Channels 149-165, 5745-5825MHz 802.11ac mode (20 MHz channel)

Channels 151-159, 5755-5795MHz 802.11n mode (40MHz channel)

Channels 151-159, 5755-5795MHz 802.11ac mode (40MHz channel)

Channel 155, 5775MHz 802.11ac mode (80MHz channel)

This device meets the requirements of FCC Part 15.202 and 15.407 as a 5.9GHz band Indoor client module (UNII) and accordingly will be programmed at the factory to passive scan on the following channels. On these channels, a) the client device will not directly connect to another client device, b) will only associate and connect with an indoor Access Point (AP) or indoor subordinate, and c) the Client device (EUT) will always be under the control of an indoor AP. However, there may exist situations where the client may transmit brief messages, prior to being under the control of an AP, to join an AP network. But these brief messages will only occur if the client has detected a signal confirming that an AP is operating on a particular channel. These brief messages will have a time-out mechanism if it does not receive a response from an AP.

Channels 169-177, 5845-5885MHz 802.11a mode

Channels 169-177, 5845-5885MHz 802.11n mode (20 MHz channel)

Channels 169-177, 5845-5885MHz 802.11ac mode (20 MHz channel)

Channels 167-175, 5835-5875MHz 802.11n mode (40MHz channel)

Channels 167-175, 5835-5875MHz 802.11ac mode (40MHz channel)

Channel 171, 5855MHz 802.11ac mode (80MHz channel)

Channel 163, 5815MHz 802.11ac mode (160MHz channel)

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This device meets the requirements of FCC Part 15.202 and 15.407 as a 6GHz Dual Client (6CD) and accordingly will be programmed at the factory to passive scan (listen before talk) on the following channels. This client may initiate a brief message to associate with a low power indoor access point or subordinate or Standard Power Access Point and establish a connection only after receiving a confirmation signal confirming that an AP is present and operating on a particular channel. After being associated, the device can only initiate transmission with that access point. The Device will never directly link to any other client devices.

5925MHz - 6425MHz, 802.11a/n/ac/ax mode (all channel BWs), (LPI AP, Standard power AP)

6425MHz - 6525MHz, 802.11a/n/ac/ax mode (all channel BWs), (LPI AP)

6525MHz - 6875MHz, 802.11a/n/ac/ax mode (all channel BWs), (LPI AP, Standard power AP)

6875MHz - 7125MHz, 802.11a/n/ac/ax mode (all channel BWs), (LPIAP)

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