September 30, 2011

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

Subject: Model 2230BNHMW Wireless LAN mini-PCIe Card
        FCC ID's: PD92230BNH and PD92230BNHU

Gentlemen:

Please be advised that the Model 2230BNHMW 802.11bgn Wireless LAN + BlueTooth combo mini-PCIe card is manufactured for the global market but when marketed in the U.S. under FCC ID's PD92230BNH and PD92230BNHU 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. During Wi-Fi Direct mode the device may act as a group owner (GO) to establish a peer-to-peer (P2P) network including conditions when no master device is present on these specific channels.

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 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. When operating in Wi-Fi Direct mode these channels 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 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)

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 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.

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Sincerely,

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