



September 15, 2011

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

Subject: Model 105BNHMW Wireless LAN mini-PCIe Card  
FCC ID's: PD9105BNH and PD9105BNHU

Gentlemen:

Please be advised that the Model 105BNHMW 802.11bgn Wireless LAN mini-PCIe card is manufactured for the global market but when marketed in the U.S. under FCC ID's PD9105BNH and PD9105BNHU 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.

Intel Corporation  
100 Center Point Circle  
Columbia, SC 29210

Sincerely,

A handwritten signature in black ink, appearing to read "Steven C. Hackett", written over a horizontal line.

Steven C. Hackett  
Wireless Regulatory Engineer  
Intel Corporation – Mobile Wireless Group