

November 11, 2009

Federal Communication Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia , MD 21046

Re: Class Permissive II Change Application for FCC ID: RUJ-Q802XKN

To whom it may concern

Qcom 802.11 b/g/n PCI Express Mini Card Model: Q802XKN has Modular Approval when tested in Multiple Input and Multiple Outputs 2x3 MIMO configuration and connected to 1.3 dBi PIFA type antennas.

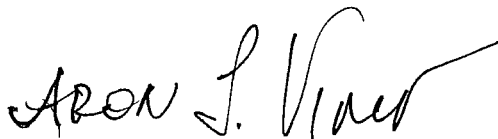
However, when this device was integrated within X-3100 smart grid node, it is connected to the PIFA antennas but max gain 3.6 dBi in the frequency band 2400 – 2500 MHz.

Therefore, according FCC Rules, Ambient Corporation submit Application for approval the higher gain PIFA antennas for FCC ID: **RUJ-Q802XKN** as Class II Permissive Change.

Application included:

- Radiated Emission Evaluation Report, which confirmed that X-3100 smart grid node comply with FCC Part 15 Class B limits
- MPE calculation for Q802XKN card with 3.6 PIFA antennas
- Qcom Technology Inc. Letter which authorize Ambient Corporation to submit Application to FCC

Best regards



Aron Viner
Director Compliance & Standardization
Ambient Corporation