



Communications for a Smarter Grid™

September 30, 2010

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

Re: Class Permissive II Change Application for FCC ID: PKRNVWE760

To whom it may concern

Novatel Wireless Dual Band CDMA/EVDO card Model: E760 (FCC ID: PKRNVWE760) have Modular Approval which stated that his antenna shall not collocated with other transmitting antennas close then 20 cm and if it is happened additional evaluation shall be needed.

In case, when this device has been integrated within X-4000-xxx-xx smart grid node, his antenna collocated with antennas from Qcom 802.11 b/g/n PCI Express Mini Card Model: Q802MKN (FCC ID: RUJ-Q802MKN) with distance between them less than 20 cm. All antennas connected to these cards are PIFA type and have the following maximum gain characteristics:

- E760 TX/RX antenna: 2.2 dBi in frequency band 824 – 915 MHz and 4.9 dBi in frequency band 1710 – 1910 MHz
- Q802MKN TX/RX antenna: 3.6 dBi in the frequency band 2400 – 2500 MHz.

Therefore, according FCC Rules, Ambient Corporation submit Application for Approval of the collocation for these antennas for distance less then 20cm for FCC ID: PKRNVWE760 as Class II Permissive Change. Application included:

- Novotel Wireless Authorization Letter
- MPE calculation for the case when E760 card TX/RX antenna collocated with Q802MKN TX/RX antennas
- Form 731

Best regards

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