

January 5, 2010

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

Re: Class Permissive II Change Application for FCC ID: N7N-MC5728

To whom it may concern

Sierra Wireless EV-DO MINI-PCI Express card CDMA Model: MC5728 (FCC ID: N7N-MC5728) has 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-3100 smart grid node, his antenna collocated with antennas from Qcom 802.11 b/g/n PCI Express Mini Card Model: Q802XKN (FCC ID: RUJ-Q802XKN) with distance between them less then 20 cm. All antennas connected to these cards are PIFA type and have the following maximum gain characteristics:

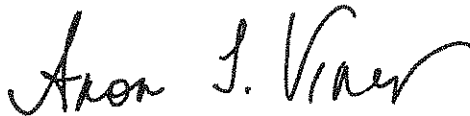
- MC5728 TX/RX antenna: 2.2 dBi in frequency band 824 – 915 MHz  
and 4.9 dBi in frequency band 1710 – 1910 MHz
- Q802XKN TX/RX antenna: 3.6 dBi in the frequency band 2400 – 2500 MHz

Therefore, according FCC Rules, Ambient Corporation submits Application for Approval of the collocation for these antennas for distance less then 20cm for FCC ID: N7N-MC5728 as Class II Permissive Change.

Application included:

- Sierra Wireless Authorization Letters
- MPE calculation for the case when MC5728 card TX/RX antenna collocated with Q802XKN TX/RX antennas
- Form 731

Best regards



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Ambient Corporation