ambient
Communications for a Smarter Grid

February 25, 2013

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

Re: Class Permissive II Change Application for FCC ID: N7NMC7750

To whom it may concern

Sierra Wireless Cellular/PCS GSM/EDGE/WCDMA/CDMA and 700 MHz LTE Modem Model: MC7750 (FCC ID: N7NMC7750) has been also integrated into X-3200-xxx smart grid node and his transmitting antenna has collocated with Wi-Fi adapter transmitting antennas at the distance less than 20 cm. FCC Grant of Authorization for MC7750 module stated that in such case additional RF human exposure evaluation shall be needed. MC7750 transmitter Tx/Rx antenna has the following maximum gain in the frequency bands:

a) 704 – 716 MHz: - 0.3 dBi
b) 777 - 787 MHz: 0.8 dBi
c) 824 – 849 MHz: 1.5 dBi
d) 880 – 915 MHz: 1.5 dBi
e) 1710 – 1785 MHz: 1.9 dBi
f) 1850 - 1910 MHz: 2.6 dBi

Collocated Compex Wireless a/b/g/n network Mini PCIe adapter WLE200NX (FCC ID: TK4-10-WLE200NX) has FCC Grant of Authorization and connected to Tx/Rx antennas that has the following maximum gain in the frequency bands:

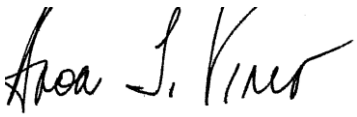
a) 2412 – 2462 MHz: 2.6 dBi
b) 5745 - 5825 MHz: 2.3 dBi

Therefore, according FCC Rules, Ambient Corporation submits Application for approval of collocation for the transmitting antennas at distance less than 20cm for:
- FCC ID: N7NMC7750 and FCC ID: TK4-10-WLE200NX
  as Class II Permissive Change.

Application included:

- Sierra Wireless Authorization Letters
- MPE calculation for the case when MC7750 modem Tx/Rx antenna collocated with WLE200NX adapter Tx/Rx antennas
- Form 731
- X-3200-xxx antenna spec
- Confidentiality Letter

Best regards



Aron Viner
VP, Compliance & Standardization
Ambient Corporation
7 Wells, Avenue, Suite 11
Newton, MA 02459