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August 1, 2006

James R. Burtle, Chief
Office of Engineering and Technology
Experimental Licensing Branch, MS 1300E1
Federal Communications Commission
445 12th Street, S.W.
Washington D.C. 20054

Re: Submission of Progress Report and Request for
Confidential Treatment Regarding Experimental License
Call Sign WD2XEQ, File No. 0118-EX-RR-2005

Dear Mr. Burtle:

In accordance with the terms of its Experimental License, Call Sign WD2XEQ, Ambient Corporation (Ambient) is filing the attached six-month progress report (Report) on its progress in evaluating the feasibility of broadband access via carrier current systems over power lines.

Because the Report contains proprietary and confidential technical information about Ambient's technology, which would customarily be protected from public disclosure under the Commission's rules, Ambient requests that the Addendum to the Report be treated as confidential and withheld from public inspection in accordance with Section 0.457(d) of the Commission's Rules.

Pursuant to Section 0.459(b) of the Commission's Rules, Ambient provides the following information in support of its request for confidential treatment:

- (1) This Report is being submitted as required under the Experimental License, Call Sign WD2XEQ, File No. 0118-EX-RR-2005;

- (2) The Addendum to this Report contains confidential information about Ambient's system equipment and performance;
- (3) Premature disclosure of such information to competitors could compromise Ambient's efforts to develop this technology, in that other PLC companies could better compete with Ambient if they had information concerning Ambient's proposed technology;
- (4) Ambient has marked the Addendum to the Report as "Confidential." In addition, Ambient has been careful in protecting proprietary aspects of its system;
- (5) Technical information contained in the Addendum to the Report has neither been disclosed to the public, nor disclosed to third-parties (not including counsel or consultants bound by confidentiality agreements or otherwise);
- (6) Ambient requests that this information be withheld from public disclosure until such time as Ambient discloses such materials publicly as part of its anticipated commercial rollout; and
- (7) Confidential treatment of the Addendum to the Report will allow Ambient to fully disclose its progress under its Experimental program to the FCC. Because power line communications systems are still in development, it will serve the public interest if the FCC is fully informed of the progress of innovators like Ambient. Refusal to treat such documents as confidential, would result in less detailed reporting and defeat one of the objectives of the Experimental program.

If there are any questions regarding the submission and the request for confidentiality, please contact George Y. Wheeler, Esq. at (202) 457-7073. For technical questions concerning the Report itself, contact Dr. Yehuda Cern, Ambient's Chief Engineer, at (617) 332-7680.

Sincerely,



George Y. Wheeler
Counsel for Ambient Corporation