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April 10, 2012

To: Tim Harrington  
FCC Equipment Authorization Branch

Subject: FCC ID: PWO271865, Correspondence 121333

Items 1 and 2 in the subject correspondence are being addressed by BACL who is the test lab and TCB for the subject application. Our response to the additional items follows:

- 3) The attached MPE calculations have been revised as requested. Please note that the power levels in the originally submitted MPE calculations were higher and therefore more conservative than required by the FCC since they were based upon higher average power resulting from multiple signal calculations required by Industry Canada.
- 4) We have deleted all notes in our MPE calculations. These were previously included to give guidance to our engineering staff when preparing these documents. They were only applied as applicable to the specific analysis, but since they have caused confusion, we've deleted them and now keep them in a separate document.
- 5) The MPE calculations have been revised to only reference distances at 20 cm or greater. We will use the same (new) format for future applications.
- 6) The format of the MPE report has been changed to show the power density levels as requested.
- 7) The downlink output powers vs. number of carriers are listed since this was requested by Industry Canada. This is covered in paragraph 6.2 of IC Standard RSS-131, *Zone Enhancers for the Land Mobile Service*. IC requested in separate communications to include a detailed listing such as that which is included in the specification sheet of our Users Manual. Their concern was that (especially in an urban environment) it would be possible for the booster to receive more than one strong base station signal, and that this could cause overloading in the downlink output that could generate excessive spurious signals. As a result, the spurious signals so generated could interfere with downlink reception by other subscribers. Although not an FCC requirement, we don't believe that inclusion of this data conflicts with any FCC rules, KDB instructions, etc.

If anything further is required regarding the above, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard M. Kline', written in a cursive style.

Richard (Riki) Kline  
Senior Electrical Engineer