



October 14, 2011

Federal Communications Commission
Office of Engineering and Technology
445 12th Street SW
Washington, DC 20554

RE: File No: 0520-EX-PL-2011
Letter of Exhibit
County of Miami-Dade, Florida

Office of Engineering and Technology:

Please consider this our exhibit identifying the complete program of our proposed description of equipment and theory of operation. This exhibit also highlights the specific objectives sought to be accomplished, as well as our contribution to the development or expansion of radio art and lines not already investigated.

The complete program of research and experimentation proposed including description of equipment and theory of operation is as follows: The experimental license will be used to create a pilot program for an interoperable LTE public safety wireless broadband network (PSWBN). This network, operated by Miami-Dade County Information Technology Division, will serve the City of Miami and a population of approximately 400,000 citizens. The geographic area of Miami spans 35 square miles. Using LTE broadband technologies, networks, and devices, the pilot program will provide first responders, including Miami-Dade law enforcement and fire and rescue, with a network and devices that will allow them to seamlessly communicate and utilize broadband speeds, data, and applications. These services will enable first responders to more effectively protect life and property.

The specific objectives sought to be accomplished will have great benefit on the health and welfare of Miami-Dade County. In advance of the deployment of a nationwide PSWBN, the pilot program will test the ability of an LTE system to meet interoperability and data needs of first responders in a dense urban area. The program will provide key data on delivery speeds, resiliency, interoperability, and overall value of a PSWBN.

The program of experimentation has a reasonable promise of contribution to the development, extension, expansion and/or utilization of the radio art, or is along line not already investigated. This pilot program will provide key information on how a PSWBN should be constructed, utilized, and maintained. It will test the strength of the system, determine best practices for use and operation, analyze the value of multiple broadband applications, and overall PSWBN function. This information will drive better policies and deployment methodologies of a nationwide PSWBN.

If you have any questions regarding this critical request, please contact Cindy Cast at (305) 596-8607, or Sheryl Vanegas at (305) 596-8909.