



June 8, 2012

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

Re: **Miami-Dade County Experimental License.**

Miami-Dade County, Florida, respectfully seeks approval of its proposed experimental license to operate in the PSST's 700 MHz band spectrum to demonstrate Long Term Evolution ("LTE") equipment in Miami, Florida, between July 21, 2012 and January 21, 2013.

Program of Research and Project Objectives:

If approved, Miami-Dade County, Florida will use its temporary license to extend its existing Special Temporary Authority for testing operations at one site for an additional six months. Further, it will add another site to its existing testing program and utilize 35 additional broadband devices. These enhancements to its current pilot program will enable Miami-Dade County, Florida to better demonstrate the value of an LTE network to its first responders, in anticipation of the national public safety broadband network governed by the First Responder Network Authority (FirstNet). They will also expand testing of LTE broadband technologies, networking equipment, and devices for mission-critical use to far more first responders and will assess site-to-site interoperability.

To date, the pilot program in Miami-Dade County, Florida has been a tremendous success. Through testing scenarios, first responders and government officials from the local area and across the country have rapidly seen the significant benefit to utilizing broadband technologies on spectrum dedicated to first responders. Further, they have engaged in field tests that have helped drive assessments of the unique needs of first responders on an LTE network. However, the pilot program has been limited by time constraints, a low number of devices to test (15 at present), and the ability to test at a single site. Having a second site will enhance our ability to test true broadband mobility and data hand-off capabilities between sites.

Miami-Dade County, Florida is committed to ensuring that first responders are aware of the remarkable opportunity a national public safety broadband network provides to America's first responders and citizens. By expanding its current pilot program, Miami-Dade County, Florida will be able to increase awareness of and user demand for this network and better inform on how the network can best meet the needs of first responders.

Limited Use of Equipment Exclusively for Testing Purposes:

This network will not be used in mission-critical operations or in the delivery of live transmissions in duties to protect life, property, or safety. The equipment to be used will include base stations and associated antennae located at the demonstration sites, and a small number of portable units in testing scenarios only.

Absence of Interference Concerns:

Information from the FCC's ULS databases has been analyzed and it is determined that the proposed operation would not interfere or create a significant potential for interference with any public safety operations in the 700 MHz band. There were no active public safety licenses granted in the Miami, Florida area on frequencies that are co-channel to those proposed in this request.

Miami-Dade County, Florida appreciates swift consideration of this application. If you have any questions regarding this critical request, please contact Cindy Cast at (305) 596-8607, or Sheryl Vanegas at (305) 596-8909.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy M. Cast".

Cindy M. Cast
Radio Systems Manager

5680 SW 87 Avenue, Miami, FL 33173