

## CITY OF NEW ORLEANS

MITCHELL J. LANDRIEU  
MAYOR

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DEPUTY MAYOR OF PUBLIC SAFETY

January 11, 2012

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

Re: City of New Orleans Experimental License

Dear Mr. Knapp:

The City of New Orleans respectfully seeks approval of its proposed experimental license to operate in the 700 MHz band public safety spectrum, using the 758-768 MHz for uplink and 788-798 MHz for downlink, to demonstrate Long Term Evolution ("LTE") equipment in the City of New Orleans, LA for 180 days commencing upon the grant of this request for Special Temporary Authority (STA).

### **Program of Research and Project Objectives:**

If granted, the experimental license will be used to create a pilot program for an interoperable LTE public safety wireless broadband network (PSWBN), operated by the City of New Orleans.

The purpose of the proposed project is to provide the various City of New Orleans and local public safety agencies and other interested parties with an opportunity to test and an introductory knowledge of the potential benefits and capabilities of a Band 14 LTE public safety network. The project will provide coverage in the vicinity of the New Orleans Police Department building, City Hall building and downtown New Orleans. The City of New Orleans will run numerous test scenarios and demonstrations to a diverse group of interested parties. In addition to new applications, the City of New Orleans would like to incorporate existing data applications that currently run over a commercial network, utilizing mobile and handheld devices. Installed Stations and associated mobile units will be used for demonstration purposes only, with operations confined to within the buildings in which the units are installed. Radiation of all equipment will be limited to 8 km.

In order to provide a more complete list of test scenarios, the City intends to demonstrate the system in times of both high and low traffic. The best opportunity to demonstrate test scenarios in a high traffic environment will be during the Super Bowl. This year the Super Bowl will be held on Sunday, February 3. Therefore, the City requests that this STA begin on January 14, 2013 in order to allow sufficient install and testing time prior to the Super Bowl.

**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 will include two temporary base stations and associated antennae located at the named demonstration sites, along with a small number of portable units all operating at no more than 8 kilometers from the base site for testing purposes only. Operation will occur for 180 days beginning at the grant of this request which will allow time for setup and testing, demonstrations, and teardown.

**STA Disclaimer:**

The City understands that this STA will be granted for no more than 180 days and will not attempt to renew this STA. If additional demonstration time is desired, a new STA request will be submitted.

**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 City of New Orleans area on frequencies that are co-channel to those proposed in this request.

With regard to garnering consent from the public safety licensee as is customarily required for 700 MHz broadband STA requests, I have contacted the First Responder Network Authority (FirstNet) in order to obtain such consent. This request letter is an amended version of the one I drafted on November 9, 2012 incorporating all changes and additional verbiage requested by FirstNet. Thank you in advance for your assistance with this request.

Sincerely,

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