



February 20, 2015

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

**RE: Request for Experimental Special Temporary Authority**  
**ELS File No. 0195-EX-ST-2015**

Dear Mr. Knapp,

Motorola Solutions, Inc. seeks approval of its above-referenced application for Experimental Special Temporary Authority (STA) to operate in the 700 MHz public safety broadband spectrum to demonstrate Long Term Evolution (LTE) equipment at two company locations in the Washington, DC area for the period of March 20 through April 30, 2015. The proposed operation will be conducted in the 758-768/788-798 MHz spectrum that is licensed to the First Responder Network Authority ("FirstNet").

The purpose of the proposed operation is to demonstrate the functionality of prototype broadband LTE devices designed to support the needs of the public safety and homeland security community.

Motorola Solutions submits this cover letter as part of the above-referenced application to affirm its understanding of the primary status of FirstNet as the licensee, to seek FirstNet's consent and to provide our commitment to conduct operations under this requested STA as described below:

- 1) Operation will be confined to the immediate vicinity of MSI's Federal Technical Center in Lanham, Maryland, and at its offices in downtown Washington, DC. The equipment will include two temporary base stations with associated antennas and a small number of portable/mobile units all operating within less than 1 km of the base stations.
- 2) The demonstrations will be conducted on the 758-768/788-798 MHz bands, which are currently licensed on a nationwide basis to FirstNet.
- 3) Operation will occur during the period March 20-April 20, 2015, allowing time during that period for setup and testing, demonstrations and teardown.
- 4) Motorola Solutions has analyzed information from the FCC's license databases and 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.
- 5) The temporary experimental operation is not intended for the provision of regular public safety mission-critical communications or the delivery of live transmissions in duties to protect life, property or safety.



## **MOTOROLA SOLUTIONS**

- 6) Motorola Solutions recognizes that its experimental operations will be secondary and must not cause interference to any operations authorized on a primary basis in this spectrum licensed to FirstNet. Further, Motorola Solutions understands that any such primary operations have no obligation to mitigate any interference that might be present to the experimental demonstrations.
- 7) Motorola Solutions acknowledges that although FirstNet has not yet deployed in the geographic area covered by the application, if FirstNet or its assignees or lessees plan to deploy in the area during the term of this STA, Motorola Solutions may need to reduce the coverage or power of its experimental transmissions or cease operations entirely to prevent interference to such deployment.
- 8) Motorola Solutions will cooperate with other grantees of experimental STAs who are demonstrating in the same geographic area to minimize the potential for interference.
- 9) Motorola Solutions recognizes that a separate concurrence from FirstNet will be required for renewal or extension of this STA, if needed beyond April 20, 2015.
- 10) The undersigned person will serve as an overall point-of-contact for the proposed short-term demonstrations..

Motorola Solutions appreciates your consideration of this matter and requests that both the FCC and FirstNet act as expeditiously as possible so the requested Experimental STA can be granted in a timely manner to support the requested demonstration period beginning March 23, 2015.

Regards,

Chuck Powers  
Director, Engineering & Technology Policy  
Motorola Solutions, Inc.  
1455 Pennsylvania Ave NW, Suite 900  
Washington, DC 20004

Telephone: (202) 371-6904  
[Chuck.powers@motorolasolutions.com](mailto:Chuck.powers@motorolasolutions.com)