

NARRATIVE STATEMENT

Pursuant to Section 5.3(d) and (f) and Section 5.61 of the Commission's rules, 47 C.F.R. §§ 5.3(d), (f), 5.61 (2009), Motorola, Inc., hereby respectfully requests special temporary authority ("STA") for a one week period, beginning **January 13 - 19, 2011**, to operate in the 758-768/788-798 MHz band for the purpose of demonstrating prototype broadband Long-Term Evolution ("LTE") devices to potential customers at a specific location in Charlotte, North Carolina.

Motorola is requesting a letter of concurrence from the Public Safety Spectrum Trust ("PSST") for the proposed operation on its portion of the spectrum, and will provide the PSST's response once it is received.

A. Purpose of Operation and Need for STA:

Motorola is a leading manufacturer of mobile radio equipment for the public safety and homeland security community and is continually engaged in the design and development of new and innovative communications equipment. The experimental authority requested herein will allow the company to demonstrate the functionality of prototype devices designed to support the needs of the public safety and homeland security community.

Specifically, Motorola proposes to conduct demonstrations of prototype equipment at potential customers at a specific location in Charlotte, North Carolina. To accommodate set-up requirements as well as to ensure all operations up to demo tear-down are covered by Commission authorization, Motorola respectfully requests that the FCC grant the STA for the period January 13 through January 19, 2011.

Grant of an STA will allow Motorola to demonstrate prototype equipment and obtain additional feedback that it may enhance the company's efforts to design, develop and improve its equipment to meet the communications needs of potential users.

B. Location of Proposed Operation:

Motorola proposes to conduct its demonstrations using a single fixed base station transmitter communicating with portable units operating within a radius up to 25 kilometers from the fixed base station at the following address and approximate coordinates:

600 East Fourth Street, Charlotte, North Carolina 28202
35 ° 13' 19.0" North Latitude; 80 ° 50' 20.7" West Longitude; Datum: NAD83

C. Technical Specifications:

1. Frequencies Desired

Motorola requests authorization to operate in the band 758-768/788-798 MHz. This band encompasses both the 758-763/788-793 MHz band known as the upper 700 MHz D block, which has not yet been licensed for regular operation, and the 763-768/793-798 MHz public safety block licensed on a nationwide basis to the Public Safety Spectrum Trust ("PSST").

2. Effective Radiated Power

All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation.

The portable units to be deployed are configured to operate at a maximum average power level of 250 mW effective radiated power ("ERP") and a maximum peak power level of 2.5 Watts ERP. The base station will be configured to operate at a maximum average power level of 5 Watts ERP and a maximum peak power level of 125 Watts ERP. Motorola will reduce the actual powers to the minimum power needed for successful operation, based on set-up and testing at the demonstration site.

In addition, Motorola will evaluate environmental considerations to ensure compliance with Section 1.1306 of the FCC's rules, 47 C.F.R. § 1.1306 (2009), and, in particular, the human exposure requirements set forth in FCC OET Bulletin No. 65.

3. Modulation and Emissions

Motorola proposes to operate using OFDM modulation. The primary emission designators are 5M0G7D, 5M0W7W, 5M0G2D, 5M0D7D, 10M0G7D, 10M0W7W, 10M0G2D, and 10M0D7D. Other emission modes may be utilized, but in no event will the emissions extend beyond the frequency bands requested.

4. Antenna Information

The fixed base station transmitter antenna will be installed in compliance with FCC and FAA requirements. The portable antennas will not, under any circumstances, extend more than 6 meters above ground. No antennas will be mounted in a fashion that will require approval under FAA and FCC rules and regulations.

5. Equipment To Be Used

Motorola expects that it will be able to conduct its demonstration with a single base unit and up to 20 mobile/portable units. Moreover, Motorola will limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

D. Protection Against Causing Interference:

As noted above, Motorola has requested authority to operate in the 758-768/788-798 MHz band. This band encompasses both the 758-763/788-793 MHz band known as the upper 700 MHz D block, which has not yet been licensed for regular operation, and the 763-768/793-798 MHz public safety block licensed on a nationwide basis to the Public Safety Spectrum Trust ("PSST"). Motorola will provide the PSST's response once it is received.

Motorola will also search the Commission's TV database and Universal Licensing System ("ULS") database to determine and ensure it protects other licensees in the area from interference. It will provide the results of its search once it is completed.

Motorola understands that the FCC may specify non-interference as well as other conditions on its authorization.

E. Restrictions on Operation:

Motorola is not seeking authority to perform a market study under this STA. Moreover, no fees will be charged to entities using the equipment during this test. After the test is completed, Motorola will recall and recover all devices that do not comply with FCC regulations.

Motorola also recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. Should interference occur, Motorola will take immediate steps to resolve the interference, including if necessary arranging for the discontinuance of operation.

In addition, Motorola will advise entities using the equipment that permission to operate has been granted under experimental authority issued to Motorola, that such operation is strictly temporary, and that the equipment may not cause harmful interference. Entities will also be advised in accordance with Section 2.803 of the Commission's rules, 47 C.F.R. §2.803 (2009), that any unapproved devices have not been authorized as required by the rules of the FCC and are not being offered for sale or lease, or sold or leased, until authorization is obtained.

F. Public Interest:

Motorola submits that issuance of an STA as requested is in the public interest, convenience, and necessity. Grant of an STA will help Motorola to develop innovative equipment that will accommodate the communications needs of the public safety community.

G. Contact Information:

For questions about this application, please contact:

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In the unlikely event interference concerns should arise during the period of authorization for this STA, please contact:

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