

NARRATIVE STATEMENT

By this application, Motorola, Inc., requests Special Temporary Authority, beginning December 6, 1999, to test and demonstrate equipment for export only operating on 794-802 MHz. Experimental activities will be conducted at Schaumburg, Illinois. The following information is provided in support of this request:

Need for Special Action:

Motorola has developed equipment for use in Europe and now proposes to test and demonstrate this equipment to evaluate its functionality and acceptability. It seeks to begin such efforts on December 6, 1999, but cannot do so without an STA. Accordingly, it respectfully requests an STA by that date.

Purpose of Operation:

Motorola proposes to test, demonstrate and operate prototype radio equipment that will be used in Europe for operation in the 794-802 MHz band. Motorola does not intend to market the equipment that is subject to this experimental application for the use in the United States.

Proposed Location:

Motorola proposes to conduct its experimental activities at the following location.

1301 E. Algonquin Rd.
Schaumburg, IL 60196
Cook County

North Latitude 42 deg 03' 48"
West Longitude 88 deg 02' 48"
Datum: NAD27

Technical Specifications:

Frequency: 794-802 MHz
Power: 10 Watts mean TPO, 200 Watts peak TPO
40 Watts ERP mean, 800 Watts ERP peak
Necessary
Bandwidth: 8 MHz
Modulation: OFDM
Emissions: 8M00W7W
Antenna: Directional, protecting 135 degrees True to 20 dB, V-polarization

Motorola understands that the proposed frequency band has not been allocated for use at least 200 miles from the proposed location. Attached is a letter from the SBE frequency coordinator that the proposed operations would not interfere with Part 74 unlicensed wireless operations in the Chicago, Illinois, area.

Antenna Information:

The antenna will not extend more than 6 meters above the ground or, if mounted on an existing building, will not extend more than 6 meters above the building. If the antenna is mounted on an existing structure other than a building, it will be installed in accordance with FAA and FCC rules and regulations.

Equipment to be Used:

Motorola expects that it will be able to complete its experimentation and demonstration with only one (1) base unit. It will also limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

Restrictions on Operation:

Motorola recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. It therefore will coordinate its activities with any users in the proposed band in accordance with FCC requirements as well as requirements set forth in the SBE's attached letter. 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. Motorola will also advise entities evaluating the equipment of the FCC's restrictions on marketing for use in the United States. To that, Motorola proposes to label the equipment or written information as follows:

FCC STATEMENT

Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission to Motorola, Inc., is strictly temporary and may be cancelled at any time. Operation is subject to the condition that it not cause harmful interference. This device is not, and may not be, offered for sale or sold for use in the United States. Thus, the user does not hold a property right in the device and may be required to return the device.

Public Interest:

Motorola submits that issuance of an STA is in the public interest, convenience, and necessity. Grant of an STA will permit Motorola to develop innovative equipment that will accommodate the communications needs of users.

Contact Information:

Motorola contact:

Greg Buchwald
Engineer
(847) 576-4893
Greg.Buchwald@motorola.com

Legal Contacts:

David E. Hilliard
Kurt E. DeSoto
Wiley, Rein & Fielding
1776 K Street, N.W.
Washington, DC 20006
(202) 719-7000
(202) 719-7049
dhilliard@wrf.com
kdesoto@wrf.com