

NARRATIVE STATEMENT

By this application, Motorola, Inc., seeks a license to test and demonstrate prototype equipment for export only operating on 182.88-184.416 MHz and 794-806 MHz. Experimental activities will be conducted at Schaumburg, Illinois. The following information is provided in support of this request:

Need for a License:

Motorola has developed equipment for use outside the United States and seeks to test and demonstrate this equipment to evaluate its functionality and acceptability. Grant of a license will serve the public interest, necessity and convenience, as it will allow Motorola to develop and improve equipment used to meet the communications needs of users.

Purpose of Operation:

Motorola proposes to test, demonstrate and operate prototype radio equipment for export only operating on 182.88-184.416 MHz and 794-806 MHz. Motorola does not intend to market the equipment for use in the United States.

Proposed Location:

Motorola proposes to conduct its experimental activities within 5 km of the following location.

1301 E. Algonquin Rd.
Schaumburg, Illinois
Cook County
North Latitude 42 deg 03' 48"
West Longitude 88 deg 02' 48"
Datum: NAD27

Technical Specifications:

Frequency: 182.88-184.416 MHz
Power: 50 Watts Peak TPO, 120 Watts Peak ERP
Necessary Bandwidth: 1.54 MHz
Modulation: OFDM
Emissions: 1M54W7W
Antenna: Omnidirectional

Frequency: 794-806 MHz
Power: 200 Watts Peak TPO, 800 Watts Peak ERP
Necessary Bandwidth: 8 MHz
Modulation: OFDM

Emissions: 8M00W7W

Antenna: Directional, protecting 135 degrees True to 20 dB, V-polarization

Antenna Information:

The antennas 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 antennas are mounted on existing structures other than buildings, they 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 two (2) base units. It will also limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

Restrictions on Operation:

Motorola understands that the proposed frequency bands have 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 in the 700 MHz band would not interfere with Part 74 unlicensed wireless operations in the Chicago, Illinois, area.

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 licensees or users in the proposed bands in accordance with FCC requirements as well as the requirements set forth in 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 proposes to label the equipment or associated 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 in the United States until the approval of the FCC has been obtained. 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 a license is in the public interest, convenience, and necessity. Grant of a license will permit Motorola to develop innovative equipment that will accommodate the communications needs of users.

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