

**MOTOROLA**

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

May 5, 2000

RE: Special Temporary Authority (STA)

Motorola is requesting an STA per FCC Rule Section 5.56. The intent of the STA is to conduct field tests pertaining to the development of a Linear Simulcast Trunking Subsystem for the Public Safety communications market. Motorola's goal is to test and successfully demonstrate a functional, 3 site Simulcast Subsystem and a Repeater Subsystem at a customer's facilities.

This testing will be conducted over a 6 month timeframe commencing July 2000. The frequencies to be used are licensed to the State of Minnesota. Written permission has been obtained (see attached letter) to use them for the purposes of this test for the specified time period.

Technical Parameters

Site 1: City Center

Location of base: 33 South 6th Street, Minneapolis, MN 55402

Latitude and Longitude: 44-58-42/093-16-21

Frequencies: 856.2375 MHz, 856.7625 MHz and 857.7625 MHz

Output Power: 100 Watts

ERP: 38 Watts

Emissions: 8K70D1W

State License: WPER943

Antenna: Structure is a building. The antenna is mounted at 689 feet.

Site 2: Pointe Building

Location of base: 78 East 10th Street, St. Paul, MN 55101

Latitude and Longitude: 44-57-02/093-05-44

Frequencies: 856.2375 MHz, 856.7625 MHz and 857.7625 MHz

Output Power: 100 Watts

ERP: 51 Watts

Emissions: 8K70D1W

State License: WPER943

Antenna: Structure is a building. The antenna is mounted at 320 feet.

Site 3: Lino Lakes

Location of base: 7524 4th Ave, Lino Lakes, MN 55014

Latitude and Longitude: 45-10-45/093-07-49

Frequencies: 856.2375 MHz, 856.7625 MHz and 857.7625 MHz

Output Power: 100 Watts



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ERP: 32 Watts

Emissions: 8K70D1W

State License: WPER943

Antenna: Structure is a tower. The antenna is mounted at 250 feet.

Site 4: Waters Edge

Location of base: 1500 West County Road B2, Roseville, MN 55113

Latitude and Longitude: 45-10-44.8/093-09-48.5

Frequencies: 866.8375 MHz, 867.5875 MHz and 868.0625 MHz

Output Power: 100 Watts

ERP: 93 Watts

Emissions: 8K10F1E

State License: WPKG310

Antenna: Structure is a tower mounted on the roof of a building. The antenna is mounted at 110 feet.

We wish to thank you in advance for your consideration with this request. If you have any questions, please contact Jack Wine at (847) 576-7837.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jack Wine'.

Jack Wine, P.E.

Motorola

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