

DU-COMM

FCC Form 422

Exhibit 1

File No. 1721-EX-CN-2023

Narrative Statement

By this application, DU-COMM seeks a new experimental radio license. The following information is provided in support of this application:

Need for a License:

DuPage Public Safety Communications (DU-COMM), an association of units of local governments, as they are defined in Article VII, Section 1, of the Constitution of State of Illinois, 1970, and a "Public Agency" as defined in the Intergovernmental Cooperation Act, 5 ILCS 220/2 (1), that is voluntarily established by its members pursuant to Article VII, Section 10 of the Constitution of the State of Illinois, and the Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq. is actively engaged in the development of Innovative Telecommunications Techniques, and the innovative application of Conventional or Traditional Telecommunications Techniques, as applied to Public Safety Communications, in general, and Inter –Agency Communications in particular.

Grant of an experimental license will serve the public interest, necessity, as it will allow DU-COMM to engage in strategic partnerships with various vendors, to provide a real world platform for the development of these techniques, and the advancement of the state of the art as applied to the Public Safety Sector. DU-COMM is a Self-Maintained End-User of telecommunications devices supplied by a variety of manufacturers. DU-COMM employs a full-time staff of Four Technicians.

Purpose of Operation:

DU-COMM proposes to test, evaluate, and operate radio equipment, under this license for the purpose of evaluating and developing the functionality and practicality of various designs of equipment in a real-world field environment, under real-world conditions.

Proposed Locations:

Fixed: 170 Wall Street,
Glendale Heights, Illinois
Mobile: Within 30 Km radius of the above.
Fixed: 122 N County Farm Road,
Wheaton, IL
Mobile: Within 30Km radius of the above

Antenna Information:

The Antennas will vary as required, for the performance of the tests, but will in no instance exceed 6 meters above any building or other permanent structure except for the Fixed Locations above.

All antenna installations will be in compliance with FAA and FCC applicable rules and regulations.

Equipment to be used:

The equipment to be used will consist of a mixture of DU-COMM Constructed equipment and equipment submitted to, or obtained by DU-COMM for the purpose of pursuing this project. The total number of Base Units being tested at any one time will not exceed Five (5). The Total number of Mobile Units being tested at any one time will not exceed One-Hundred (100).

Restrictions on Operation:

As an established Public Safety Agency, DU-COMM 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. Should any interference occur, DU-COMM will take immediate steps to resolve the interference, including, if necessary, a discontinuance of operation.

The transmitter power will not exceed the authorized limit for the license, or frequency in use, but will be operated at the minimum power necessary for the successful performance of the tests.

The actual area of operation will not exceed the authorized limit. The operating times of the authorized transmitters will be limited to the minimum required for the successful completion of the tests.

In addition, DU-COMM will advise any entities submitting equipment for operation by DU-COMM, under this authorization, that permission for the use of their submitted equipment is strictly temporary, and that the authorization is limited to operation of the equipment only by DU-COMM or someone operating under the **Direct Supervision** of a member of the DU-COMM Technical Services Staff.

Public Interest:

DU-COMM Submits that issuance of this license is in the public interest, convenience, and necessity. Grant of this license will permit DU-COMM to provide a unique real-world Public Safety platform for the stimulation of the development of innovative telecommunications equipment and techniques as applied to daily Public Safety Communications operations.