

Nextel Communications, Inc.
2001 Edmund Halley Drive, Reston, VA 20191



January 13, 2004

Office of Engineering and Technology
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Pursuant to Part 5 of the Rules of the Federal Communications Commission ("Commission"), Nextel Communications of the Mid-Atlantic, Inc., a wholly-owned subsidiary of Nextel Communications, Inc. (collectively "Nextel") respectfully requests an Experimental Radio Station License for use of spectrum in the personal communications service ("PCS") band on a secondary, non-interference basis for use in the Reston, Virginia area. Nextel currently has a Special Temporary Authority for these same parameters licensed under Call Sign WB9XTV and requires a more long-term authorization for testing purposes as referenced below.

Nextel currently provides wide-area digital Specialized Mobile Radio ("SMR") services throughout much of the United States utilizing spectrum in the 800 MHz frequency band. Nextel's wide-area SMR services make efficient use of the spectrum by employing digital technologies and low power, multiple-tower cellular-like architectures that enable call hand-off and channel re-use throughout a larger geographic area. Nextel's wide-area SMR services, moreover, provide the user a combination of telecommunications services in a single handset, including digital push-to-talk services, cellular telephone, paging, and data services.

Nextel requests this experimental authorization to continue to test the use of various CDMA technologies including GSM1x and Flarion Technologies Flash-OFDM solution, a wireless mobile data application that will enable cost effective access to the internet and Intranets at speeds greater than present dial up rates and approaching that of DSL and cable access technologies. The objective is to validate the commercial viability and technical performance of the flash-OFDM™ system in a lab environment beyond that which can be tested with one base station. These tests include indoor propagation, frequency reuse, mobility user behavior, system handoff between base stations and system loading.

The trial will be deployed in the Reston, Virginia area in close proximity to Nextel's corporate headquarters. Two trial locations are being requested by

Nextel to perform these indoor trials. These locations are 1) Nextel corporate headquarters located at 2001 Edmund Halley Drive Reston, Virginia (approximately 38 degrees and 57 minutes North Latitude, 77 degrees and 22 degrees West Longitude) and 2) Nextel Technology Evaluation Lab located at coordinates (039-01-44 N and 077-24-36 W).

Because of its extensive licensing authority, Nextel is extremely familiar with Commission licensing rules and requirements and will take necessary measures to ensure that these tests cause no harmful interference to any primary licensee.

Should the Commission have any questions regarding this matter, please contact the undersigned at (703) 433-4212.

Respectfully submitted,

/s/ James B. Goldstein

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