

**Nextel Communications**  
2001 Edmund Halley Drive  
Reston, VA 20191

October 11, 2001

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

Pursuant to Part 5 of the Rules of the Federal Communications Commission ("Commission"), Nextel West Corp., a wholly-owned subsidiary of Nextel Communications, Inc. (collectively "Nextel") respectfully requests an Experimental Radio Station License for temporary use of five (5) 800 MHz frequencies on a secondary, non-interference basis in and around Doraville, Georgia.<sup>1</sup> In cooperation with General Motors Research Corp. ("GM") Nextel proposes to temporarily utilize these frequencies, currently licensed to GM pursuant to call sign WNNH399 to test the feasibility of incorporating GM's industrial and land transportation ("ILT") frequencies in Nextel's 800 MHz digital iDEN system. Nextel is conducting these tests with the full knowledge, consent and support of GM pursuant to an agreement.

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.

In an effort to increase its network capacity and possibly provide advanced generation (3G) wireless services, Nextel seeks to test and evaluate use of GM's frequencies in conjunction with its existing SMR commercial network. Nextel will provide commercial service at its own sites to both its regular customers and GM, on the GM frequencies, while GM will remain the FCC licensee.<sup>2</sup> At the end of a

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<sup>1</sup> These frequencies are 851.8375 MHz, 852.3875 MHz, 852.8875 MHz, 853.3875 MHz and 854.0625 MHz.

<sup>2</sup> Pursuant to Section 90.621(e) of the Commission's Rules, GM is permitted to convert and provide commercial services on its ILT channels.

short testing period in February 2002, both Nextel and GM will evaluate whether this will be a longer-term arrangement. Because of the short testing period and experimental nature of the project, GM would prefer not to temporarily modify its existing licenses to reflect the various locations Nextel plans to utilize the GM frequencies or to temporarily modify its licenses to change its radio service codes to convert and provide for commercial service, pending the results of the pilot program.<sup>3</sup> Therefore, Nextel requests an experimental license to effectuate the parties desire to implement this test.

Because the subject frequencies are fully authorized to GM and Nextel's proposed use of the GM channels will be confined to the areas within GM's applicable 22 dBu contours, Nextel will not cause interference to any co-channel licensee. To provide further interference protection to any other incumbent licensee, Nextel certifies that it will provide notification to any co-channel or adjacent licensees in advance of initiating operations on the subject frequencies. Because of its extensive licensing authority nationwide, 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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/s/

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General Motors

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<sup>3</sup> Nextel and GM are conducting this pilot program and conducting testing of the implementation of the GM frequencies to ensure that GM's service quality does not decrease and that their operational needs are fully satisfied.