



Sprint Nextel
2001 Emund Halley Drive
Reston, Virginia 20191

July 16, 2007

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

Re: Request for Experimental License Authority to Operate on BRS Channel F3
at the Greenville, SC, BMW Test Track

Dear Sir or Madam:

Pursuant to Part 5 of the rules of the Federal Communications Commission ("Commission") Sprint Nextel Corporation, on behalf of its wholly-owned subsidiary Nextel Spectrum Acquisition Corp. (collectively "Sprint Nextel"), respectfully requests an Experimental License Authority ("Experimental License") to operate Channel F3 (2626-2632 MHz) on a secondary, non-interference basis, within approximately a one-mile radius of the BMW Test Track (34-54-13N/82-10-58W) located in Greenville, South Carolina.

Sprint Nextel is the licensee of Broadband Radio Service ("BRS") Station B177. Station B177 has a geographic coverage area encompassing Basic Trading Area ("BTA") 177-Greenville-Spartanburg, SC which includes the BMW Test Track. Sprint Nextel is authorized to operate on the E Group channels, including Channel E3 (2620-2626 MHz) in the vicinity of the BMW Test Track. The South Carolina Educational Television Commission ("SCETV") is the licensee of Educational Broadband Service ("EBS") Station WHN705 which is authorized to operate on the F Group channels, including Channel F3 (2626-2632 MHz) in the Greenville, South Carolina area. The geographic coverage area of Station WHN705's Channel F3 encompasses the test track located at the BMW plant in Greenville, South Carolina. Enclosed as Attachment 2 is a letter from SCETV supporting the grant of the instant request for an Experimental License.

Sprint Nextel seeks authority to operate SCETV's Channel F3 in conjunction with its own adjacent Channel E3 (2620-2626 MHz) in order to test innovative WiMAX mobile wireless technology at the BMW Test Track. A contiguous block of at least 10 MHz of 2.5 GHz spectrum is required to conduct the desired WiMAX mobile wireless technology tests. Although Sprint Nextel is the licensee of BRS channel groups in BTA177, pending the transition of the BTA to the new 2.5 GHz band plan, Sprint Nextel does not have access to contiguous spectrum greater than 6 MHz in the 2.5 GHz band in the vicinity of the BMW Test Track in Greenville, South Carolina.

The Commission's new BRS and EBS band plan adopted in the *BRS-EBS R&O*¹ is intended to lead to growth and rapid deployment of innovative and efficient technologies, and new wireless broadband services across the country. The requested Experimental License is intended to directly support the rapid introduction of new WiMAX mobile wireless technology as Sprint Nextel transitions BTAs to the Commission's new BRS and EBS band plan. Further, the requested authority is limited in duration, power and location.

The equipment that will be used consists of back-to-back phased antennas with an effective radiated power of not more than one watt, at a height above ground level of 60 feet, located on the property of the BMW Test Track. Sprint Nextel plans to transmit only in the immediate surrounding area of the BMW Test Track, a radius of approximately one mile, for intermittent periods.

Sprint Nextel has coordinated with SCETV to ensure that a grant of the requested authority will not cause harmful interference. Further, because the requested use is limited in time, power and location, grant of the instant authorization is not likely to cause harmful interference to any distant co-channel BRS or EBS operations. Sprint Nextel recognizes the secondary status of the requested Experimental License, however, and will cease operation as necessary in the event actual interference occurs.

For the reasons stated herein, Sprint Nextel respectfully requests an Experimental License to operate on Channel F3 (2626-2632 MHz) in conjunction with its own Channel E3 (2620-2626 MHz) at the BMW Test Track in Greenville, South Carolina area, in order to test new, innovative WiMAX mobile wireless services. Grant of the instant request will not cause harmful interference to any existing licensee.

If there are any questions concerning this matter, please contact the undersigned at (703) 433-4222.

Respectfully Submitted,

//s//

Robert H. McNamara
Director, Spectrum Management

Attachment

¹ See Amendment of Parts 1, 21, 73, 74, and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, Report and Order and Further Notice of Proposed Rulemaking, 19 FCC Rcd. 14165 (2004) ("*BRS-EBS R&O*").