

Form 442
EXHIBIT 1
WinStar Wireless, Inc.
Request for Modification of Experimental Authority
Call Sign KS2XFT

**Description of WinStar's
Experimentation/Demonstration Program**

WinStar Wireless, Inc. ("WinStar") is requesting a modification of its experimental license that authorizes it to conduct a program of experimentation and demonstration of the capabilities of point-to-point transmissions in the 38 GHz band (38.6-40.0 GHz). In this modification request, WinStar seeks to modify its experimental license to obtain authority under Section 5.202(j) to conduct limited market studies in the 38 GHz band.

WinStar is the forerunner in the development of the marketplace for 38 GHz spectrum, and has been providing service in numerous markets pursuant to FCC licenses. The 38 GHz market is still quite new, however, and therefore WinStar finds it necessary to continue basic market development activities. In addition, WinStar believes that it will be able to advance the radio art in the 38 GHz band by having the opportunity to study operations in diverse environments and deployment scenarios.

WinStar seeks authority to conduct limited market studies in the 38 GHz band under its experimental license. WinStar believes that its program will be most effective if it is able to study both the technical and marketplace suitability of these frequencies. WinStar thus seeks authority to provide service under this license to up to fifty (50) customers for market study purposes. WinStar believes that the information developed under such market studies will allow it to evaluate the viability of the 38 GHz band for commercial services under different market scenarios, and the pricing structure that will meet customer and company requirements.

WinStar is seeking authority to conduct the limited market studies under its experimental authority throughout the 38 GHz band, and to implement the temporary installations throughout the United States. Such authority will provide WinStar with the necessary flexibility to conduct an effective program. WinStar understands that its operations under this experimental license are secondary to any licensed activities in this band. WinStar will thus take steps to ensure that its operations under this experimental authority do not cause any harmful interference to any licensed operations.

Before installing any systems in any location, WinStar will review the Commission's licenses in this band in the desired area to determine which channels will not be occupied, and WinStar will select an appropriate unoccupied channel. In addition, to further preclude the potential for harmful interference, WinStar will notify any licensees of its intended temporary experimental operations. In conducting its operations under the experimental license, WinStar will utilize Commission-

approved equipment and standard operating and engineering practices, as it does throughout its service territories presently. Finally, notwithstanding these prophylactic measures for avoiding interference, WinStar will also maintain the ability to shut down the systems remotely from its control center if it receives any complaints of harmful transmissions caused by its activities under this experimental license.

WinStar believes that the public interest will be well served by grant of this experimental application. The temporary installations will help demonstrate that WinStar's 38 GHz services can be used reliably to provide a wide variety of important services, including local networks and alternative access services for interexchange carriers, competitive access providers and end users. WinStar's capacity has begun to be used for, inter alia, basic and advanced data transmissions, redundancy for customers desiring a high degree of reliability, "bypass" of the local exchange carrier, interconnection of customer sites, and substitute capacity in case of damage to the landline networks from natural or man-made disasters. In short, WinStar is seeking to determine whether the 38 GHz bands can be developed as an alternative entrance/exit ramp to the information superhighway. The demonstration and market study program will spur further deployment of these critical services, and thereby enhance communications capabilities and create even more new jobs. In addition, the information developed by WinStar during the course of this program will allow WinStar to improve service to all of its customers. For all of these reasons, WinStar believes the public will benefit greatly from the proposed modification of its experimental license to include authority for limited market studies.