

FCC License Application Attachment – Government Project Description

Our license application is for the installation of a meteor radar system in Barrow, Alaska to make wind and temperature measurements in the Earth's middle atmosphere (80-100km). This project has undergone the peer review process at the National Science Foundation and was determined to be technically and scientifically sound. I (Scott Palo) am the principle investigator on this project. We have received funding from the Office of Polar Programs at the National Science Foundation to proceed with this project, the award number is OPP-9981903. Infrastructure work, funded through the National Science Foundation, is currently proceeding in Barrow to accommodate the power and telecommunication needs of our system. We expect to install our system and to become operational in July of 2001. However because we construct our own transmitter and antennae, we would like to have frequency allocation by November so that our summer 2001 timeline can be met. Our current funding through the National Science Foundation provides support to operate this radar system for 5 years at this location.