

Description of Experimental Program

In the FCC's 6 GHz Report & Order, the Commission designated additional spectrum for unlicensed operations, envisioning its use for "new innovative technologies and services that will advance the Commission's goal of making broadband connectivity available to all Americans, especially those in rural and underserved areas." *Unlicensed Use of the 6 GHz Band*, 35 FCC Rcd 3852, 3853 (2020). Through this application for Special Temporary Authority, Peak Internet, LLC seeks to advance these goals by testing available equipment across the UNII-5 band for potential delivery of enhanced fixed wireless broadband services.

The experimental operations will involve field deployment and testing of Mimosa Networks' 6 GHz radio technology at two sites in Linn County OR. These operations will evaluate the greater throughput capabilities available in these bands using 5925.00000000-7125.00000000MHz channels. The program will serve to enhance access for a local educational institution.

The N5x-25 gain is 25dBi

Peak Internet, LLC's data collection program will operate without causing harmful interference to incumbent users. It will work with any nearby licensed incumbents that it identifies, based on information provided in the FCC's databases, to ensure that its operations will avoid any harmful impact on such existing users.