

Description of Experimental Program

In last year'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 an experimental license, Sail Internet, Inc. ("Sail") 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 Network's 6 GHz radio technology on two towers in Santa Clara County, California. These operations will evaluate the greater throughput capabilities available in these bands using 80 MHz channels.

Sail's data collection program will operate without causing harmful interference to incumbent users. Sail 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.

Clarification regarding Vertical Orientation

The application proposes point-to-point operation between two buildings. Because of the difference in building heights, the antenna at Market Street is oriented downward by 0.66 degrees and the antenna at Coleman Avenue is oriented upward by 0.66 degrees. Because the form does not permit positive or negative modifiers, each antenna is identified with a 0.66 degree orientation in the vertical plane.