

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 experimental license, Skybeam, LLC ("Skybeam") seeks to advance these goals by testing available equipment across the UNII-5 band to collect data on the use of these bands for delivery of enhanced fixed wireless broadband services on a shared basis with incumbent users.

The experimental operations will involve field deployment and testing of Mimosa Network's 6 GHz radio technology on two towers at rural sites in Northeast Texas. These operations will evaluate the greater throughput capabilities available in these bands using 80 MHz channels.

Skybeam will work with nearby licensed incumbents, identified based on information provided in the FCC's databases, to verify that its operations on the designated frequencies are unlikely to cause harmful interference to existing users.