

### **Description of Experimental Program**

In its 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 Special Temporary Authority, Aeronet Wireless Broadband LLC (“Aeronet”) seeks to advance these goals through further testing of available equipment across the UNII-5 band to collect additional 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 Cambium Networks 6 GHz radio technology on a dozen towers located throughout Puerto Rico as identified in the attached form. Given recent challenges to the stability of the wired communications infrastructure in Puerto Rico, enhancement of wireless communications facilities presents a significant opportunity to improve reliable access to voice and data services. The proposed operations will allow Aeronet to evaluate the greater throughput capabilities available in the UNII-5 band, including the potential for offering gigabit service via fixed wireless facilities. Aeronet 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.