

Ptera, Inc.

Form 442

January 2023

Description of Experimental Program (amended 1/31/2023)

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, Ptera, Inc. 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 Cambium Network's 6 GHz radio technology on 4 towers at rural sites in Spokane, WA and its surrounding areas. These operations will evaluate the greater throughput capabilities available in these bands using 80 MHz channels. The program will also use up to 100 remote units at customer locations.

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