

### **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 license, Comelec Services, Inc. (“Comelec”) seeks to advance these goals through 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 4 towers at rural sites in Gallatin Valley Montana. These operations will evaluate the greater throughput capabilities available in these bands using 80 MHz and 160 MHz channels. The program will also use up to 175 remote units at customer locations. Although the trial will involve deployment at customer locations, the deployment will involve existing customers, with equipment located side-by-side with existing equipment and will therefore permit evaluation of the performance of different equipment, spectrum and bandwidth. New customers may be added to the trial as needed to maintain a consistent level of CPE deployment, in the event of customer cancellations, but in no case will use of the 6 GHz band be marketed to customers as a new or augmented service offering. Except for the need to install new equipment at customer sites, the use of the test equipment will be seamless and transparent to customers. All equipment deployed to customer sites will be retrieved at the conclusion of the experimental testing program.

Little Apple Technologies data collection program will operate without causing harmful interference to incumbent users. Little Apple 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.

The ePMP 4600 (Access Point), sector antennas will provide 18 dBi gain, which when connected to 63mW output power will result in 2.43 W ERP.

The ePMP 4600C CPE antennas will provide 25 dBi gain, which when connected to 12.6 mW output power will result in 2.43 W ERP.