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In the 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 updated application for an experimental license, Professional Satellite Services, Inc. seeks to advance these goals by testing available equipment across the UNII-5 band for potential delivery of enhanced fixed wireless broadband services to more of our customers with additional access point locations to reach them.

The updated experimental operations will involve field deployment and testing of (5) additional Cambium Networks 6 GHz access point radios on (2) towers at rural sites in Carroll county Arkansas. These operations will evaluate the greater throughput capabilities available in these bands using 80/160 MHz channels. The program will also use up to 60 remote units at customer locations.

Professional Satellite Services, Inc. data collection program will operate without causing harmful interference to incumbent users. Professional Satellite Services, Inc. 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.

#### Additional Deployment Parameters:

We would be adding an additional (3) ePMP 4600 access point radios and antennas to the Berryville tower site and (2) ePMP 4600 access point radios and antennas to a tower site south of Berryville.

Berryville Tower Site:  
ASR: 1320545  
36.38594, -93.54736

Green Forrest Tower Site:  
ASR: 1037668  
36.29198, -93.43581

Crystal Tower Site:  
Small 100' tower south of our main city  
36.26945, -93.51382

The Cambium access point equipment we want to use has the following characteristics:  
Frequency range: 5925-7125MHz  
Station class: FX  
Output power/ERP: 250mW/4.0 W  
Mean peak: P  
Frequency tolerance: 1152Hz  
Emission designator: 160MHz BW 160M0W7D  
Modulating signal: OFDM

Additionally, the trial will deploy up to 60 end users located with a 10-mile radius of the fixed locations, with a maximum power of 250mW/4.0 W ERP.