

## 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 Special Temporary Authority, Local2u (West Virginia) LLC 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's 6 GHz radio technology at five locations in West Virginia. These operations will evaluate the greater throughput capabilities available in these bands using 5925.00000000-6400.00000000 MHz and 6525.00000000-6875.00000000 MHz channels. The program will use five Access Points and up to 12 remote units at customer locations, deploying transceivers at specific locations within a 16-kilometer radius around each of the fixed tower sites.

The ePMP 4600 gain is 18dBi (Access Point)

The ePMP 4625 gain is 25dBi (CPE)

Local2u (West Virginia) LLC's data collection program will operate without causing harmful interference to incumbent users. It 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.