

Description of Modified Experimental Program

In its 2020 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 modification of its experimental license, SkyNet 360, LLC (“SkyNet”) seeks to advance these goals by testing additional equipment across the UNII-5 and UNII-7 bands for potential delivery of enhanced fixed wireless broadband services.

As authorized by OET Experimental License WM2XTP, SkyNet is conducting equipment testing of two models of Cambium Network’s 6 GHz radio technology using numerous point-to-point links in the Florida City - Homestead, FL area to evaluate the greater throughput capabilities available in these bands using 80 MHz channels.

Based on the initial results of the trial, SkyNet now seeks to expand the testing to include three additional models of Cambium 6 GHz transmission systems. These added Cambium transmitters operate on the UNII-5 and also the UNII-7 frequency band, and SkyNet seeks to add the new equipment in order to evaluate their performance in the UNII-5 and UNII-7 bands. There will be no changes to the existing transmit or receive locations authorized by WM2XTP, nor to the authorized receive-site equipment. Over the course of the modified trial SkyNet will move the transmitters from location to location to determine the comparative performance of each transmitter as we change the length of the frequency path, the interference environment and the terrain between transmit and receive point.

SkyNet’s data collection program will continue to operate without causing harmful interference to incumbent users. SkyNet 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.