

In the previous year's 6 GHz Report & Order, the Commission allocated additional spectrum for unlicensed activities, envisioning its utilization in support of “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.” As per the unlicensed use of the 6 GHz Band, 35 FCC Rcd 3852, 3853 (2020). Through this application for an experimental license, Crowsnest Broadband aims to contribute to these objectives by conducting tests using available equipment over the UNII-5 band, with the potential to enhance fixed wireless broadband services.

The experimental operations will encompass the field deployment and assessment of Tarana Wireless 6 GHz radio technology on 2 towers situated at rural sites within Blair County PA. These activities will assess the increased throughput capabilities achievable within these frequency bands, utilizing 40/80 MHz channels. Additionally, the initiative will incorporate up to 20 remote units at various customer locations.

Crowsnest Broadband's data collection initiative is designed to operate without causing any detrimental interference to incumbent users. Crowsnest Broadband will collaborate with any licensed incumbents in proximity, identified through information from the FCC's databases. This cooperation will ensure that Crowsnest broadband operations steer clear of any negative impact on existing users.