

This FCC experimental license will be used to develop the project “Aerial Experimentation and Research Platform for Advanced Wireless (AERPAW)” funded by National Science Foundation (NSF). AERPAW is the platform under the “Platforms for Advanced Wireless Research (PAWR)” project. AERPAW will be a first-of-its-kind aerial wireless experimentation platform with the goal to accelerate the integration of UAS into the national air-space, and to enable new advanced wireless features for UAS platforms, such as flying base stations for hot spot wireless connectivity. As part of this effort, AERPAW will develop a software-defined, reproducible, and open-access advanced wireless platform with experimentation features spanning 5G technologies and beyond. In this modification, we added new equipment and frequency bands to our existing license. We also increased power levels from the existing license.