

This experimental license is to support testing and development of situational awareness tools to provide Unmanned Aerial Systems (UAS) pilots with information about non-cooperative aircraft in the vicinity of their vehicles for safety purposes. The data collected from this system in multiple environments and on multiple types of aircraft will be used to develop and submit safety cases to the FAA for consideration of waivers to existing UAS flight rules. These waivers have the potential of providing increased benefits to the users and operators of UAS and the potential of increased public safety. This radar technology combined with special purpose processing and display equipment has shown promise in a fixed environment with a particular surrounding environment. This effort will allow NUAIR to experiment with the system in varying environments and assess the technologies sensitivity to environment and general applicability.