

The Applied Research Laboratory (ARL) is a UARC (University Affiliated Research Lab) and is part of the Pennsylvania State University (PSU), as such it is both a research laboratory and is part of a university with a graduate research in engineering that is accredited by ABET.

- (a) This application is for radiofrequency experimentation in Centre County PA, specifically at 2710 West Pine Grove Road. ARL has a location at that address at which we can conduct outdoor measurements.
- (b) ARL, as a UARC, has institutional processes in place to monitor and efficiently manage a wide variety of research projects. The majority of ARL's research funding is handled through a large omnibus NAVSEA contract and, as such, falls under the oversight of NAVSEA. ARL has a dedicated contract office and maintains full compliance with Federal Acquisition Regulations (FAR). ARL PIs are required to complete yearly training that addresses Ethics, Property Management, Export Control, Conflict of Interest and federal requirements under the Omnibus NAVSEA contract addressing a drug-free work force, disclosure of information, preventing personal conflict of interest, and organization conflict of interest.
- (c) ARL is cognizant of the FCC regulations put in place to ensure communication is not impeded by unlicensed transmission. ARL has worked closely in the past with spectrum managers at various test ranges such as Idaho National Labs (INL), Yuma Proving Grounds (YPG) and others. ARL utilizes, and will continue to do so, best practices that include pre-planning for safety, pre-planning to ensure transmission is within approved bands/power levels, and monitoring of output power levels during any active transmission.