



Phased Array Antenna Engineer

Parry Labs is seeking a **Phased Array Antenna Engineer** to participate in the development of wideband phased array (electronically steerable array – ESA) antenna products for mobile platforms. Located in Columbia, Maryland, the candidate will join our multi-disciplined RF Engineering technical team, in the development of new antenna concepts through their complete life cycle, from concept through delivery.

Specific responsibilities for this position include:

- Antenna engineering of novel wideband phased array antenna apertures
- Antenna aperture requirements development, evaluation, and tracking
- Documentation of antenna aperture design specifications and requirements
- Design, analysis, and documentation of radiating aperture topologies
- Insight into RF component performance, to assist in the design of applicable RF interfaces
- Development and documentation of aperture and antenna testing to validate requirements
- Collaboration with applicable vendors to support fabrication and other services
- Documentation of work product for management and customer program reviews

Desired qualifications this position include:

- BS in Electrical Engineering, or related engineering/science/mathematics fields
- 10 years of antenna experience, with a minimum of 5 years of phased array antenna experience, including with hardware at Ku/Ka-bands, and above
- Experience with antenna engineering in the design of phased array antenna elements, and antenna system analysis
- Experience with requirements development, testing, and validation
- Computational skills with HFSS, MATLAB, and/or other standard design/analysis tools for modeling and simulation
- Knowledge of various integration methodologies for phased array antennas
- Experience with the testing and evaluation of phased array antennas, including a variety of antenna test ranges and methodologies
- Excellent interpersonal skills, along with effective written and verbal communication skills, to communicate with a diverse team of many technical and managerial levels
- Some travel may be involved for this position

Candidates must have the ability to obtain a US Government security clearance, and will be subject to a US security background investigation. An active security clearance is preferred.

Parry Labs is an Equal Opportunity / Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, gender identity, and sexual orientation), national origin, age (40 or older), disability, genetic information, protected veteran status, or any other factor prohibited by applicable law.