

# PHARAD

Wireless Sensors, Communications, Antennas

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## POSITION DESCRIPTION

### RF/Antenna Engineer

Pharad, LLC develops state-of-the-art wireless sensors, communications, and antenna products. We are seeking an experienced RF/Antenna Engineer to join our highly skilled engineering development team to support the development and implementation of unique antenna and RF solutions.

#### Responsibilities:

- Participate as a member of the engineering team that designs, develops, prototypes, and tests our advanced wireless sensors, communications and antenna products.
- Model, simulate and evaluate the performance of antennas and RF systems for a variety of wireless communications and sensing applications.
- Design and analyze new antennas and antenna systems.
- Document antenna and RF circuit designs through a standard process for implementation by engineers and relevant support staff.
- Develop test plans to validate the performance of antenna and RF circuit designs.
- Assist in the measurements of developed antenna and RF solutions.
- Support interactions with customers.
- Assist in the management of antenna and RF design and development activities including: organizing research and development work and coordinating with other engineering disciplines to create cohesive and robust design solutions.

#### Position Requirements:

- MS or PhD in Electrical Engineering, or related field
- Excellent understanding of electromagnetics, antenna theory, and RF systems
- Experience in design and development of antennas, in particular printed antennas
- Experience in development of RF/microwave systems
- Experience in RF link budget analysis
- Experience in using full-wave RF/antenna analysis tools (such as HFSS, etc)
- Strong analytical skills and ability to identify problems and solutions
- Experience in practical implementation of RF and antenna systems
- Experience in measuring the performance of antennas (return loss, radiation patterns and gain)
- Experience in LABVIEW and MATLAB is a plus
- Additional RF engineering design experience (active and passive) is a plus
- Must be a self-starter and able to work with minimum supervision
- Goal oriented, and a team player with good interpersonal skills
- Possess a strong work ethic
- Ability to plan, organize, prioritize and finish tasks
- Good oral and written communication skills