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## **RF Design Engineer-Entry Level**

Ritron, Inc. a designer and manufacturer of wireless voice and data communications products is looking for an Entry-level RF Design Engineer to support our growing engineering team in Carmel, Indiana (suburb of Indianapolis).

### **Summary**

Looking for a motivated hands-on individual contributor in the design and development of wireless products, RF circuits and signal processing components for conventional and software defined radio products. Should have coursework emphasis on communications systems, analog and digital electronics, and RF electronics. The person in this position reports to the Chief Engineer.

### **Major Duties**

- Design circuits and radio subsystems to meet product specifications and best practices.
- Specifies components for BOM, creates detailed circuit schematics and other design documents.
- Design for FCC compliance and EMI mitigation and adheres to applicable industry standards.
- Provides technical collaboration with other engineers as needed.
- Ability to use and take advantage of test equipment such as oscilloscopes, small-signal generators (SSGs) and vector network analyzers (VNAs).
- Tracks multiple tasks and projects. Identifies and reports obstacles.
- Supports needs of manufacturing, test, and marketing departments throughout product lifecycle.
- Supports FCC Certification and compliance working with third party test and certification services.

### **Requirements for the Job**

#### **Essential**

- Able to learn and progress to designing analog and RF circuits from baseband to 1GHz.
- Ability to learn on the job skills noted above if not already present.
- Able to design to applicable electrical and environmental standards.
- Knowledgeable in communications theory and modulation systems.
- Able, with time and training, to become experienced with common RF design elements such as impedance matching networks, tuned circuits, lumped filters, micro strip and strip line circuits and RF power transistor matching networks.
- Excellent English written and verbal communication skills.
- Likes to work in a team environment and tolerates occasional travel.
- Enjoys hands-on bench design along with learning new skills.

#### **Desirable**

- Actual experience in the hands-on design of high-quality analog, digital, and RF circuitry and understanding of such circuitry.

#### **Minimum Education and Experience**

- Bachelor's or Master's degree in Electrical Engineering.

**Email resume to:** [nwilhelm@ritron.com](mailto:nwilhelm@ritron.com) or mail to Ritron Human Resources at 505 W. Carmel Drive, Carmel IN 46032

Ritron, Inc. is an Equal Opportunity Employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.