Associate RF Design Engineer (Job Number: 1500535)

Internal Relocation: Yes, Domestic Relocation
Internal candidates currently under consideration: No

Description

We are the world's leading provider of energy and water resource management solutions. More than 8,000 utilities worldwide rely on our technology. We embrace diversity in every sense of the word. The utility industry plays a foundational role in our global infrastructure. Future investment in technology and services to manage the distribution of energy and water is assured. Stability is also a core part of our organizational DNA. Our employees have an average tenure of 10 years. We consistently drive the entire industry forward in the new solutions and technologies we develop. And as the industry evolves, the need for innovation is only accelerating. We have grown a cooperative and passionate culture so that great thinking and new ideas are allowed to thrive, no matter where they come from. You will be recognized and valued for your contributions and achievements. The success of our customers is our ultimate focus.

Our West Union, SC manufacturing plant is looking for a mid-level RF Design Engineer to join our Hardware R&D team. In this role, you will design, modify and manage activities for a specific product or group of products from product definition and planning through production and release. In addition, you will serve as the central resource with design, process, manufacturing, test, quality and marketing as the product(s) move to completion and distribution. As a Design Engineer II, your Involvement lasts throughout all stages of a product’s lifecycle, from product release through maintenance of the product and end of life decisions. Last, you will promote investigation and application of new technologies and industry trends to product management activities and ensure that products shipped meet specifications and quality goals.

Duties & Responsibilities:

- Develop new products, support existing products and improve processes, specifically related to RF design
- Involved in RF circuit design from concept to production for low cost wireless communications product-line – complete radio transceiver design including RF PA, LNA, RF filters and matching, synthesizers, VCO’s and mixers.
- May provide design and project support in the areas of project leadership, regulatory, reliability, components selections.
- Conduct RF circuit measurements using laboratory spectrum analyzers, oscilloscopes, network analyzers, etc.
- Create models using RF simulation tools
- Carry out field studies and system test activities
• Analyzes data and makes recommendations.
• Provide technical support to factory, service and other internal departments.
• Verifies that designs meet requirements through analysis, simulation, and measurement. Compares results to theory and documents results.
• Provides input to project and other product related teams
• May lead projects of limited scope.
• Coordinate and verify the work of support staff (technicians and CAD Designers).
• Communicate results of work to project team and management.

Qualifications:

Required Experience:

• This position requires a minimum of 0-1 years of related experience.
• Must have a fundamental understanding of RF and Microwave theory and principals.
• Some experience in wireless communication principals and theories is a plus
• Experienced with advanced modeling, simulation and networking analysis tools

Education: A Bachelor’s Degree in a related field is required. A Bachelor’s Degree in Electrical Engineering, Electronics Engineering, Communications Engineering or equivalent is preferred. A Master’s Degree (in related field) is highly preferred.

Travel: 1 - 10%

Physical Demands: This is a typical office job, with no special physical requirements or unusual work environment.

Primary Location USA-SC-West Union

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