COPPER MOUNTAIN® TECHNOLOGIES

631 E New York Street
Indianapolis, IN 46202
www.coppermountaintech.com

Lead RF Design Engineer

Summary of Possible Functions

The Lead RF Design Engineer will develop new Copper Mountain Technologies (CMT) VNAs for customers all over the world. Our USB VNAs are next generation analyzers designed to meet the needs of 21st Century engineers. Our VNAs include an RF measurement module and a processing module, a software application which runs on a Windows or Linux PC, connecting to the measurement hardware via USB interface.

The Lead RF Design Engineer will work as a member of the design team involved in developing new USB VNAs, meeting new customer requirements, and evolving current product line. This individual will work closely with product management, manufacturing, and other engineering teams to ensure delivery of quality solutions to customers. Take this opportunity to join a great company. Location for this position is in Indianapolis, Indiana.

Essential Position Functions

- Understands customer test and measurement applications and their use of vector network analyzers
- Understands technical requirements and product cost targets, and translates them into design requirements and specifications
- Leads high level VNA system and component design
- Collaborates with other engineering teams including FPGA, signal processing and others to deliver cost-effective manufacturable designs
- Collaborates with product management, manufacturing, technical writers and others to design the whole product
- Develops cohesive project plans and achievable schedules to meet those plans
- Note: The statements contained herein describe the essential functions of this position but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned including work in other areas to cover absences or relief to equalize peak work periods or otherwise balance the workload.

Education and Qualifications

- To perform this position successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- Bachelor's degree in Electrical Engineering or a related field, RF major or concentration preferred.
- 10+ years of experience in RF system or component design.

Knowledge, Skills, and Abilities

- Working knowledge of RF system and component design, test and integration
- Knowledge of and experience with Vector Network Analyzers
- Understanding of VNA structure and typical VNA measurements
- Understanding of measurement automation protocols
- Ability to translate technical and cost requirements into design requirements and specifications
- Experience in product or system design in mmWave frequencies
- Knowledge and direct experience designing at least some of the following: amplifiers, mixers, filters, synthesizers, directional couplers, switches, power splitters/converters, frequency multipliers and dividers, NLTL, automatic power controllers
- Experience collaborating with FPGA, signal processing and power systems designers
- Experience working with Altium Designer
- Understanding of design for test and manufacturability principles

Certifications, Licenses, Registrations

Valid driver's license