

RF/Microwave Design Engineer

Company Overview

G3 Technologies, Inc. (G3T) is a technology-based company that develops innovative wireless products and solutions. G3T is looking for motivated individuals who thrive in a dynamic work culture. We offer a fast paced work environment with several office locations, competitive salary and benefits, 401K matching, and generous profit sharing plan.

G3T maintains significant expertise in RF Communications, Telecommunications, as well as System Hardware and Software engineering allowing it to provide unique solutions to our customer's leading edge problems. Our products range from hand held to room size solutions with rapid development profiles that address real world problems.

Job Description

- Perform original wideband RF and Microwave Tuner design for applications requiring broadband frequency coverage (20 MHz to 18 GHz). Must have hands-on technical expertise in the design and development of complex RF/Microwave products from an engineering concept into a production ready product. Key design elements include:
 - Lumped element and microstrip filter and matching circuits
 - Broadband mixers
 - Synthesizers
 - Amplifiers
 - Contribute to overall product packaging mechanical design that achieves required RF isolation, heat management, size and weight
- Participate in all aspects of product design from concept through system design, component design (hardware & software), component testing, system testing and successful production
- Work closely with Hardware and Software designers to meet system design requirements
- Develop and document RF design requirements and Test Plans
- Assist in the integration and system level testing of all parts of a system until it meets all requirements

Job Qualifications

- BS or higher degree in Electrical Engineering
- Project/Technical Leadership Experience is a plus
- Three or more years experience in one or more of the following disciplines:
 - RF/Microwave design in the 20 MHz to 18 GHz frequency range
 - Wideband tuner design
 - Expertise in the use of test equipment including network analyzers, spectrum analyzers, power meters, noise figure meters and oscilloscopes
 - Genesys (or equivalent) RF/Microwave design and simulation
 - ORCAD schematic capture
 - RF/Microwave printed circuit board layout
 - Multi-board analog and digital unit level design
 - Design for board level and product level testability