



## Job Description Form

Division/Department:	Engineering
Location:	Boalsburg, PA
Job Title:	Senior RF Engineer
Reports to:	Exec. VP of Engineering

Level/Grade	Type of position:	Hours_____ / week
	<input checked="" type="checkbox"/> Full-time <input type="checkbox"/> Part-time <input type="checkbox"/> Contractor <input type="checkbox"/> Intern	<input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt

### General Description

- Develop RF/Microwave product level specifications. Products to be amplifiers, frequency converters and related assemblies.
- Conduct and manage design of product in line with RF/Microwave product level specifications, from concept to introduction into production.
- Work with Locus development tools and techniques for the development of RF/Microwave detailed designs.
- Work in partnership with CAD operators to produce assembly drawings, circuit schematics, PCB designs and Bills of Materials.
- Communicate and report project hardware development status and issues against schedule.
- Identify development risks and provide technical solutions to problems.
- Conduct and manage testing of RF/Microwave designs.
- Develop test plans to verify sub-system and system designs.
- Provide design, development and planning information for all stages of the hardware development life cycle.
- Perform all activities in the context of an integrated, professional engineering team.
- Contribute to expansion of RF/Microwave knowledge, processes and techniques within the company.

### Work Experience Requirements

- At least 8 years experience in design of microwave circuits and systems
- Experience in the design of SATCOM transceivers, BUCs, point-to-point microwave links or other professional radio communications systems
- Experience in the design of amplifiers (low noise and power), synthesisers, frequency converters circuits and designs
- Experience in the design of microwave filter circuits, waveguide & resonant structures, wideband & multiband filters, diplexers and combiners
- Experience of RF/Microwave product design implications on volume manufacture
- Millimeter wave product design experience a plus
- Experienced in the use of RF/Microwave test equipment
- Knowledge of EMI, EMC and EMR in relation to CE requirements
- Experience of mechanical layout implications on RF/Microwave product design
- Experience in leadership of an RF/Microwave design team
- At least 5 years experience and knowledge of the capabilities and limitations of circuit simulation software such as Genesys, ADS, EMDS and SPICE.
- Specification and report writing
- Design and analysis of RF/Microwave circuits
- Applied interpretation and analysis of RF/Microwave test and measurement techniques
- Developing and communicating team objectives
- Planning and scheduling to coordinate small teams
- Knowledge and application of New Product Introduction processes and stage gate reviews
- Evaluating team and individual performance

Division/Department:	Engineering
Location:	Boalsburg, PA
Job Title:	Senior RF Engineer
Reports to:	Exec. VP of Engineering

### **GENERAL REQUIREMENTS**

- Ensure tasks undertaken are consistent with safe working practices and adhere to the requirements of the Locus Microwave/Codan OHS&W System.
- Contribute to a collaborative team and work environment to achieve high performance, ongoing learning and improvement.
- Ensure business processes and tasks undertaken are consistent with the company's systems and procedures.
- Must be a US citizen or lawful permanent resident as defined by ITAR regulations.

### **Education Requirements**

- BSEE, (MSEE preferred) or equivalent education and experience.

---

### ***LIMITATIONS AND DISCLAIMER***

The above job description is meant to describe the general nature and level of work being performed; it is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required for the position.

All job requirements are subject to possible modification to reasonably accommodate individuals with disabilities. Some requirements may exclude individuals who pose a direct threat or significant risk to the health and safety of themselves or other employees.

This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees will be required to follow any other job-related instructions and to perform other job-related duties requested by their supervisor in compliance with Federal and State Laws.

Requirements are representative of minimum levels of knowledge, skills and/or abilities. To perform this job successfully, the employee must possess the abilities or aptitudes to perform each duty proficiently. Continued employment remains on an "at-will" basis.