

Job Description

Senior RF/Electrical Design Engineer

1. **JOB TITLE:** Senior RF/Electrical Design Engineer
2. **LABOR GRADE:** N/A
3. **SECURITY CLEARANCE:** Ability to obtain a Government security clearance required.
4. **PHYSICAL REQUIREMENTS:** Ability to lift a minimum of 25 lbs. Must be able to travel up to 10% of the time.
5. **EDUCATION:** Minimum: Bachelor of Science Degree or equivalent experience in a related technical discipline required. MSEE degree preferred.
6. **PREVIOUS EXPERIENCE:** 10+ years experience in detailed design, analysis and test of high frequency RF/microwave components commonly used in satellite communication equipment for land-based or mobile ground stations, like: RF power amplifiers, low-noise amplifiers, bandpass & lowpass filters, frequency mixers, etc. Understands discipline for detailed design synthesis & analysis of RF/microwave circuits, high-frequency software simulation tools, network analyzers and spectrum analyzers. Experience in design of DC bias circuits and DC power supplies is a plus.
7. **JOB REQUIREMENT SUMMARY:** Provide engineering design, analysis and test of certain high-frequency RF/microwave components and subassemblies.
 - 7.1 Ability to design and simulate a variety of analog and radio frequency (RF) circuitry.
 - 7.2 Create schematics and lead the PCB Designer to create documentation to build the printed wiring assembly (PWAs).
 - 7.3 Ability to set-up, operate and calibrate RF and electrical test equipment and perform measurements on prototype circuits, subassemblies and modules.
 - 7.4 Assist production personnel with troubleshooting problems that are engineering based, resolve the issues and create documentation changes that leads to fix the issue.
 - 7.5 Write technical documents, for example, test procedures, test datasheets, technical memoranda for reporting any technical issues, etc.

- 7.6 Mentor junior RF/electrical engineers.
 - 7.7 Lead the RF/electrical product design team in the development of new products or enhance performance of existing products.
 - 7.8 Lead design engineers to verify product performance vs. predictions for prototype products and production hardware products.
 - 7.9 Analyze product failure data and malfunction testing trends, troubleshoot yield issues and recommend product improvements, including test improvements.
 - 7.10 Provide product sales support in the form of teleconferences, design reviews, capability presentations and trade shows.
 - 7.11 Participates in continuous improvement and team building activities. Maintains productive working relationships with all team members.
 - 7.12 Exhibit the following personal characteristics: superior communication skills, sound judgment, effective listening techniques and incisive deductive reasoning ability.
 - 7.13 Openly display a commitment to ethical business conduct and appropriate social behavior while representing TM on or off our premises.
8. **SUPERVISION:** Manager, Product Design Group
 9. **TRAINING PERIOD:** Responsibility of position requires minimal orientation period. Continual development process through reading materials, seminars, conferences, trade shows, etc.