



**JOB POSTING
SENIOR RF DESIGN ENGINEER**

Job #-TSI2010-RF-01

Trackcom systems International has an immediate requirement for a Sr. RF Design Engineer

Education

A B.Eng. degree with minimum of 5 years of RF design experience, and a thorough understanding of Microwave circuit's principals is a must. M.Eng or higher education degree in Microwave design circuits is preferred.

Knowledge of English or French plus English, both written and oral is a plus. Knowledge and capability of documenting and presenting designs in a concise manner, using power, point, word and excel is required. Knowledge of Microsoft project scheduler and visio software is a plus.

Required Skills

Knowledge and experience in the design of Microwave passive components from 200 MHz to 40 GHz is required.

Candidate must have knowledge and experience in the use of Microwave analysis CAD software such as Microwave Wizard (Mician), WASP-NET or Quickwave (QW-3D) to analyze waveguide and coaxial circuits. Knowledge and experience in the use of Microwave office or ADS to analyze planar circuits is also required.

Knowledge of the Mechanical CAD software of "Solid Works" to draw Microwave analyzed passive parts is a plus.

Candidate must be capable of working independently, and have self motivation to meet assigned objectives.

Required Experience

The candidate must have designed or have know on the design of the following passive components

- **Waveguide** : filters, diplexers, dual mode filters, couplers, dividers, circulators, isolators, loads/terminations, adapters, waveguide bends, flexible and rigid waveguide cables
- **Coaxial** : filters, diplexers, tubular filters, harmonic filters, couplers, dividers, circulators, isolators,



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Candidate must have practical experience of tuning and optimizing Microwave designed passive components

Candidate must have knowledge of using Vector Network Analyzer (VNA) and Scalar Network Analyzer and other Lab RF test equipment.

Job Description

- Successful candidate will be responsible for developing the topology to be used in the design of various RF passive circuits using waveguide or coaxial architecture platforms.
- Design, analyze, and generate fabrication documents of all assigned RF designs
- Plan and schedule designs, document designs, present and, conduct design reviews as required.
- Tune and qualify all Engineering RF prototype modules
- Read, analyze and assist in responding to various RFQ on Waveguide and coaxial passive products
- Use CAD software to analyze RF circuits, of waveguide, coaxial and planar components
- Use Solid Works software to design and document mechanical fabrication drawings of all RF components designed
- Calibrate and use VNA to perform tuning and performance testing of all RF components.
- Generate and document test specification, procedures and reports for all designs done

Reporting to

Chief Technical officer (CTO)
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