

## **4079 Tunable Device Design Engineer (Nashua, NH)**

Employment Status: Full Time

Salary: Commensurate with education and experience

Relocation: Available

### **Job Description and Responsibilities:**

We are currently seeking a **Tunable Device Design Engineer** at our Nashua, NH Design Center to work with us to deliver our proprietary technology to the rapidly evolving commercial communications markets. If you are a highly motivated and energetic individual who can thrive in our fast-paced entrepreneurial environment, this position is for you! The ideal candidate for this position will provide strong leadership in the company's efforts to advance the design and modeling of its tunable capacitors. As the Company prepares to ramp up the production of its tunable RF products, the successful candidate will be responsible for the design, characterization, and modeling of tunable microwave devices and integrated circuits, the RF and microwave characteristics and the process technologies to produce them in a manufacturing environment. The candidate will also help establish the technical vision for our ParaScan™ tunable materials and processes incorporating customer-driven product requirements. This individual will interact with manufacturing to create process development plans and schedules.

### **Minimum Requirements:**

- U.S. citizenship preferred but green card may be acceptable.
- Advanced degree in EE or physics (MS or PhD preferred), with a strong background in microwave devices, device processing, materials science, or chemistry.
- A proven track record in semiconductor devices, semiconductor IC processes or thin film capacitor work
- Experience in microwave test and characterization including network analyzer and spectrum analyzer measurements, Q measurements, linearity (IP3, ACP, EVM).
- 2-5 years in an RF test laboratory, RFIC design group, or passive component development group would be ideal.
- Experience in device models using simulation tools such as ADS.
- General knowledge of passive components or active semiconductor devices for RF operation.
- Experience with electromagnetic simulation using HFSS, Momentum or equivalent.

To respond to this opportunity, please e-mail your resume to: [dfacteau@paratek.com](mailto:dfacteau@paratek.com). Please indicate '4079 Tunable Device Design Engineer' in the subject line of your e-mail.