



## **RF Engineer, WireIE**

### **COMPANY DESCRIPTION**

WireIE is a leader in Next Generation communications solutions located in Richmond Hill, ON.

Our business is to transform telecommunications infrastructure to enable our clients to deliver a limitless network experience.

We are looking for unique expertise in wireless/IP integration. WireIE offers a whole product solution in support of many wireless technologies including but not limited to WiMAX, Wi-Fi, UMTS and LTE. In addition, WireIE has in-depth knowledge and experience in the design and deployment of IP based point-to-point and point-to-multipoint microwave networks. Integration of legacy TDM microwave systems within IP based microwave platforms is also well within WireIE's capabilities.

### **JOB SCOPE**

WireIE is seeking experienced Toronto/GTA based RF engineers for full-time and contract opportunities in North America. Working as part of the WireIE Radio Network Services team, you will be responsible for Point-to-Point and Point-to-Multipoint wireless design, site selection support, RF field tuning/optimization, interference measurement, and general RF field troubleshooting.

The successful candidate must be an RF Engineer who through proven experience demonstrates team building, leadership, problem solving and technical expertise competencies.

Projects are primarily focused on Next Generation Access and IP Backhaul network deployments

### **KEY JOB FUNCTIONS**

- Perform all stages of wireless Point-to-Point and Point-to-Multipoint design, including: path profile analysis, line of sight verification, link budget, site survey, frequency & radio selection
- Perform RF coverage prediction and capacity planning, frequency planning and interference analysis
- Perform EMF radiation protection measurement and compliance calculations (e.g., Safety Code 6)
- Prepare spectrum licence applications for submission to local regulatory bodies
- Coordinate with Site Acquisition, Installation, and Network Operations teams
- Provide pre-sales engineering support
- Use of Planet, Pathloss, EMF Visual and other similar tools in design of wireless links

## **EDUCATION / QUALIFICATIONS:**

- At least 3+ years of experience in fixed wireless telecommunications designing Point-to-Point and Point-to-Multipoint systems is mandatory
- Bachelors Degree in Electrical Engineering with a telecommunications option or equivalent
- Experience using Pathloss or similar path design software
- Hands on deployment and configuration experience with Point-to-Point and/or multipoint radio equipment is an asset
- Prior RF, microwave, and IP experience with a wireless service provider is highly desirable
- Technical knowledge of Layer 2 (Ethernet) and/or IP based technologies
- Network architecture, capacity planning and traffic engineering experience
- Strong communication and interpersonal skills
- Valid driver's license and passport and willingness to travel as required
- Working knowledge of wireless technologies such as GSM/GPRS/EDGE, UMTS, CDMA/1X/EVDO, LTE is highly desirable
- Applicants should hold or be eligible to obtain mandatory security clearances.

## **REQUIRED COMPETENCIES**

- Excellent oral and written communications, interpersonal, and problem-solving skills
- Excellent listening skills and ability to comprehend client's requirements.
- Ability to act independently with minimum supervision

**To apply please click on following link immediately**

**<https://www.smartrecruiters.com/cgi-bin/WebObjects/frontoffice?fp1=52128791&fp2=730613786>**