

RF Engineer

Paradox Security Systems is an electronics designer and manufacturer in the alarm security industry that for 29 years produced innovative and industry-leading products. We are looking to grow our team in Canada to work on our next-generation of products.

Experience you have:

- All around RF board design up to 1 GHz, including : RF components selection/comparison; RF schematics; RF layout; RF performance testing; RF standards compliance; RF manufacturability analysis (testing, production yield,...); RF antenna design.
- Hands experience with RF simulation software.
- RF boards design of transmitters and receivers for sub GHz frequencies – higher is a plus.
- Tuning and testing for performance and standards compliance (FCC, CE, EN,...)
- RF system design (timings, channel hopping, different systems co-existence, power and channel occupation for standards compliance...)
- Deep knowledge of cellular communication – an asset.
- At least 10 years of work experience.
- Bachelor's degree in a scientific discipline.

What you will do:

- RF-focused hardware design/test activities including evaluation/testing, integration testing, tuning, impedance matching, antenna testing, design verification.
- Use of RF test equipment including spectrum analyzer, network analyzer, signal generator, communications test set.
- Development of antenna conceptual prototypes, mockups.
- Antenna measurements: impedance, pattern, efficiency.
- Impedance matching theory and practice, measurement.
- Transmitter, receiver performance measurements.
- Support product design lead with transceiver implementation details, PCB layout.
- Lab evaluation of candidate parts, transceivers, methods to support new designs.
- Development of custom hardware to test, characterize and validate systems.

What you can expect:

- Competitive salary, bonus, benefits (group insurance and RRSP contribution program).
- Modern, comfortable and clean work environment.
- Flexible schedules.
- Free parking, greater Montreal area, reverse of traffic and accessible by public network.
- Great opportunities for career growth.
- See the products come to life in our manufacturing facilities.

Contact us:

Please send your resume to email address: humanresource2@paradox.com

