

RF Engineer

Position:

We are a fast growing company leading cutting edge MR imaging technology. We are seeking a skilled and experienced MRI RF Engineer to join our team. The candidate will be responsible for the development of new RF coil products as well as testing radio frequency resonators, T/R switches, and various LC, RLC circuits in medical devices. This position is based in London Ontario.

Main responsibilities:

- Technical leader in the RF group, mentor junior engineers/technicians.
- Champion the RF design including creation of technical specifications, schematics, component selection and validation, PCB layout, antenna development, prototype validation and debugging, production support and documentation.
- Documentation of product designs
- Participate in design reviews
- Support the Design Controls and Quality System process to develop and release products
- Post-market surveillance and customer problem resolution.
- Support the quality group for IQA issues and field failures as needed
- Create and meet development timeline and cost estimates

Strengths and skills:

- Driven for results, and product focused.
- Plans, organizes
- Analyzes and solves problems
- Team player
- Have strong verbal and written communication skills with a collaborative approach to problem solving.
- Able to manage multiple projects in a dynamic environment with compressed development timelines.

Qualifications:

- Bachelor of Science in Electrical Engineering, Masters preferred with a focus in radio communications.
- Minimum of 2 years hands on experience in MRI RF, or alternatively 5 years in general RF design.
- Capable of board level measurements and troubleshooting.
- Highly proficient in using all RF instrumentation (spectrum analyzer, network analyzer, RF signal generators, etc.).
- Thorough knowledge of RF theory and electronics.
- Ability to design, simulate and practical implementation with a high degree of result predictability.
- Fluent in working with Smith Charts and matching techniques, filtering techniques for emissions control and other related skills for successful radio designs.
- Theoretical and practical knowledge of portable device antenna design.
- Knowledge of FDA design control, IEC 60601-1, and related regulatory requirements is rules a plus.
- High volume, low cost consumer electronics design experience a plus.
- Good understanding of analog, digital and power management systems (DC-DC regulators OPAMP circuits, digital logic, embedded microcontrollers, etc.).
- Schematic capture and PCB layout using Altium, Eagle, PCB express.
- Strong knowledge of proper PCB layout techniques for RF circuitry, EMC/EMI control, manufacturability and cost control.

- Please send your resume to the following address info@ceresensa.com
- We thank all applicants, however only those selected candidates will be contacted.