



NeoCoil, LLC is a leader in MRI coils and imaging accessories designed for better patient comfort and experience. Our focus, through innovation and precision, is to engineer and manufacture the highest quality coils and accessories for the medical industry. Due to our growth and continued success, we are seeking an experienced **RF Engineer** to join our team.

This position will assume technical leadership for the development of new RF coils. Must exhibit a high level of initiative, as well as demonstrate the ability to work independently to develop technical solutions to complex problems that require ingenuity and creativity. This position has design responsibility to deliver customer workflow, feature functionality, product quality, reliability, serviceability, manufacturability, and regulatory.

Primary Responsibilities:

- Interface with marketing and clinical specialists in the development of user and system requirements for new product offerings.
- Translate voice of the customer feedback into new product concepts and prototypes.
- Design and develop new coil products and support RF architecture including electrical boards, circuits, components, and interconnects.
- Develop interfaces between products and MR scanners for customers.
- Test products on MR scanners and develop methods to quantify MR scanner system and subsystem interactions and their effects on image quality and coil performance.
- Interface with sourcing in the selection of suppliers for new product offerings.
- Collaborate in the development and execution of verification and validation procedures, testing, and review.
- Execute product design, planning and development while adhering to timelines and product cost targets.
- Interface with manufacturing and service teams to ensure successful design transfer.
- Must be able to work independently and possess a level of functional expertise necessary to influence and execute technical and project delivery execution.
- Document elements of the design consistent with company's quality system, including requirements, specifications, plans, reviews, test procedures and test reports.
- Collaborate with peer engineering teams, scientists, application specialists, manufacturing, suppliers and customers to drive RF designs and devices across all phases of the engineering development cycle.
- Supervise the work of technicians and testers in the development and qualification of new products.

Required Experience and Qualifications:

- Masters' Degree and 5+ years of experience in RF circuit or antenna design and development, electro-magnetic field theory, and simulation tools.
- Experience developing medical device products in an MR environment.
- Experience establishing and carrying out the design of experiments to solve problems and identify quick and cost effective solutions.
- Hands-on prototyping and troubleshooting experience in a lab environment.
- Demonstrated ability to make recommendations to technical and program leadership to improve the product, process or technology.
- Demonstrated supplier and manufacturing interface skills, along with strong documentation, communications and teamwork skills.
- Ability to meet aggressive reliability, performance, cost, serviceability and delivery targets.
- Must be detail-oriented and able to organize and manage multiple priorities, takes initiative and ownership of assigned tasks.

Desired Experience and Skills:

- Understanding of MR physics, pulse sequences, and RF heating.
- Familiarity with tuning RF circuits including match circuits, phase shift circuits, resonant circuits, and pre-amplifiers.
- Familiarity with lab tools such as network analyzer, spectrum analyzer, oscilloscope, etc.
- Hands- on experience with MR scanner or NMR spectrometer.

If you are interested in joining a first class, growing organization with a vision for the future, please send your resume. We are a fast-paced work environment, offering competitive compensation and benefits and so much more. Please visit www.neocoil.com for more information. Interested applicants should submit a cover letter and resume, including salary requirements, to traci.mortensen@neocoil.com