

# RF Development Engineer

(All Levels including Senior)

## Job Summary

---

Novocomms Limited (“NVC”) – Birmingham (Potentially London)

**NVC is looking for a full-time RF Development Engineer (Ref: 2024RFDE02).** The ideal candidate will possess deep expertise in mmWave technology, with the ability to design, analyze, develop, validate, and integrate RF modules critical to the success of our beam steering wireless systems. This role demands collaboration across technical teams to deliver innovative solutions that meet the evolving needs of wireless communication.

## Duties & Responsibilities

---

- Lead the development of mmWave RF systems, including front-ends and transceivers, ensuring alignment with high-frequency mmWave communication objectives.
- Design and simulate mmWave RF circuits and systems, employing advanced tools (ADS, HFSS, CST) to address unique mmWave challenges such as path loss and beamforming.
- Collaborate with cross-functional teams to integrate mmWave RF modules into CPE products, optimizing for performance, power, and efficiency in the mmWave spectrum.
- Conduct extensive testing and characterization of mmWave RF components, utilizing specialized equipment to validate performance and compliance with industry standards.
- Innovate in the design of RF systems for mmWave applications, focusing on achieving high data rate transmission and efficient signal processing.
- Document development processes and technical specifications, contributing to the body of knowledge on mmWave RF engineering within NVC.

## Essential Knowledge & Skills:

---

- A degree in RF/Microwave Electronics, Wireless Systems, or a related field (BEng/MSc required, PhD preferred), with at least 5 years of experience in RF development, specifically in mmWave applications.
- Expertise in mmWave RF design principles, including knowledge of beam steering technologies, phased arrays, and the unique propagation characteristics of mmWave frequencies.
- Proficiency in RF design and simulation software (ADS, HFSS, CST) with a strong focus on mmWave applications.
- Hands-on experience with mmWave RF hardware, including the design, testing, and troubleshooting of circuits and systems.
- Familiarity with the latest developments in mmWave technology, standards, and regulatory requirements for wireless communication devices.
- Exceptional analytical and problem-solving skills, with the ability to work collaboratively in a fast-paced, multidisciplinary environment.

## Essential Attributes:

---

- Excellent written and oral communication skills
- Excellent interpersonal skills
- Exceptionally self-motivated and directed
- Ability to prioritize, schedule, and execute activities to efficiently accomplish tasks
- Ability to multitask and manage more than one project at the time

**Salary:** Exceptional compensation package (up to £80k per annum depends on experience), including competitive salary, share options, pension and bonus.

**Location:** NVC has its current R&D headquarters in Birmingham; NVC is considering opening an office in London.

**Closing Date:** 29/02/2024; **Number of Positions:** 1; **Experience** – 5 year minimum in mmWave technology

To apply for this position please send your CV with a covering letter explaining how do you meet selection the criteria to: [HRUK@novocomms.com](mailto:HRUK@novocomms.com) . You will only hear from us if you have been shortlisted.

## About the Company

---

Novocomms Limited (NVC) was founded to deliver innovative new technology coming from British academia in the field of antenna design. The team have designed, developed and patented a pioneering antenna technology. The market for this highly scalable technology is the global digital wireless appliance market. NVC's remarkable innovation has led to the creation of a significant number of patent applications, both filed and in process.