

Job Title	RF IC System Engineering Technical Manager / Senior Technical Manager
Location	Kent, UK

Job Description

MediaTek is a leading global fabless semiconductor company for wireless communications and digital multimedia products. The company is a market leader in complete solutions for mobile phones.

Due to MediaTek's continuing success and growth in the cellular chipset market the UK RF IC design team is expanding. We are looking to recruit proven RF design talent capable of delivering leading edge products with aggressive time to market requirements.

The group is part of a worldwide team working on advanced multi-mode cellular radios using state of the art CMOS technology. You will be working as part of a highly experienced RF design team with an outstanding track record of delivering innovative RF products.

Requirements

The role will be for an experienced RF system engineer with a passion for designing high performance cellular radio solutions. Your focus will be on delivering highly competitive cellular RF products, with leading edge performance, using innovative architectures and implementations.

You will lead the specification and system analysis for next generation of cellular LTE Advanced RF systems. Together with the design team you will make a strong contribution to the development of innovative RF transceiver architectures that exploit the capabilities of advanced CMOS processes.

You will have an excellent understanding of state-of-the-art RF CMOS cellular transceiver architectures as well as the interactions and integration challenges found in complex RF systems-on-a-chip. You will also have a good understanding of advanced digital techniques used to enhance transceiver performance.

You are a strong team player capable of operating both as an individual contributor as well as team leader. You will be able to manage and mentor junior system engineers. You will participate in multi-site developments across different time zones and cultures, requiring excellent written and verbal communication skills.

Qualifications

You will have an MSc degree and a minimum 10 years industrial experience or a PhD degree and a minimum of 7 years industrial experience. You will have a proven track record of significant contributions to successful commercial cellular or WiFi transceivers. Your ability to innovate is demonstrated by publications and/or patent applications.

Essential Skills

- Excellent knowledge of RF system analysis and RF sub-system specification
- Excellent understanding of modern CMOS cellular transceiver architectures
- Excellent understanding of RF performance requirements for cellular communication system and good general knowledge of the relevant industry standards
- Experience with the analysis and specification of transmitters and receivers for cellular standards
- Experience with the design and optimisation of digitally intensive RF architectures
- Able to work very closely with both application engineers and circuit design engineers
- Experience with the management and mentoring of junior system engineers
- Strong analytical skills

Desirable Skills

- Competent in using Matlab
- Competent in using ADS

Essential Personal Qualities

- Innovative thinker with a passion for challenging technical problem solving
- Highly motivated: able to work independently and see projects through to completion.
- Team player: able to work with others to complete challenging projects together
- Good communicator: able to communicate effectively using a range of tools (Email, IM, VC)
- Able and willing to travel if required.

Benefits

- Competitive salary
- Bonus scheme
- Stock options
- 25 days holiday plus statutory holidays
- Private medical insurance
- Childcare voucher scheme
- Company Pension
- Patent reward scheme
- Relocation assistance if required.