



Delivering efficiency

Eta Devices is looking for a RF Engineer

Working at Eta Devices

Eta Devices is a fabless semiconductor company headquartered in Cambridge, MA with an R&D office in Stockholm, Sweden. Based on breakthrough research from MIT, the company has assembled the best minds in the industry to realize breakthrough performance gains in the efficiency of power amplifiers for mobile base stations and handsets.

The founders of Eta Devices include two MIT electrical engineering professors and a former lead power amplifier (PA) researcher at both Ericsson and Huawei. The game-changing technology developed by Eta Devices solves the fundamental trade-off between power efficiency and linearity to currently deliver 70%+ efficiency for LTE and WCDMA PAs with a 100% efficiency limit. This brings a range of cost and performance benefits to mobile base station vendors and handset manufacturers. In addition, it significantly lowers the carbon footprint of the mobile industry.

We are backed by leading VCs and have raised two substantial financing rounds to date. Our strong financial backing enables us to focus on long-term growth and value creation rather than chase short-term opportunities.

Eta Devices is a young company with a culture that is dynamic, innovative, fast-paced and performance-oriented. By joining Eta Devices you get to work in a high power team where 40% of staff hold PhD degrees and almost everyone at least one Master's degree. Our ambitions are high as we believe that we are the only team in the world with all the required capabilities to deliver a game-changing power amplifier solution. Based on strong market traction to date, we are now expanding our technical team with outstanding talent.

To learn what the market says about Eta Devices please visit our press section at: etadevices.com/press/

Eta Devices

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RF Engineer

Job description

Working as a key member of the Hardware Engineering team, you will be involved in all aspects of the product development including: simulation, design, layout, design verification and introduction into manufacturing. In this position you will work closely with other hardware, system and DSP engineers. This position is for an engineer who enjoys working hands on all aspects of product delivery and delivering solutions at the highest performance level.

- The candidate will participate in the design and develop of high performance commercial transmitter hardware for wireless infrastructure transmitters including active RF circuits containing mixers, switches, RF amplifiers, transmitters, detectors, phase control, filters, combiners, attenuators, as well as FPGA and essential mixed signal building blocks.
- Perform all phases of RF hardware development including design, component selection, schematic capture, PCB design, BOM creation, test and debug.
- Design for manufacture of commercial mixed signal and RF modules.
- Perform RF measurements and characterization of components, circuits and complete transmitter chain.
- Create detailed RF test plans
- Adhere to aggressive deadlines and work on multiple projects simultaneously.

Qualifications

- MSEE / BSEE
- Proven track record of 1-3 years, designing, building, and testing system and board level hardware including RF transceivers, matching networks, RF front ends, digital down/up conversion and complete RF systems operating up to 3GHz.
- Sound understanding of RF, modulation, digital signal processing.
- Wireless communication experience, including LTE, 3GPP, or OFDM a plus.
- Experience with test equipment such as Signal Analyzers, Signal Generators, Spectrum Analyzers, Network Analyzers, Base Station Emulators and other equipment associated with the design and development of Cellular Radio Access Network products.
- Hands-on experience with automated RF Testing and programming methods.
- Exceptional organizational skills: planning, follow-through, ability to manage details.
- Ability to learn and explore new technology areas and applications in a start up environment

Eta Devices offers an exceptional compensation plan including equity and a competitive benefits package.

Interested Candidates are invited to send their resume and cover letter to careers@etadevices.com

For any questions concerning this position, please contact: Rachel Fanelli, Human Resources Staffing Partner
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