



Zurich, 23.06.2023

Position: Senior Analog IC Design Engineer

Company: 3db Access AG

3db Access is a leading innovator in low-power single-chip UWB technology for scientifically proven secure ranging. 3db UWB IP is in mass production in the automotive industry and provides lowest power consumption on the market for passive entry and start systems and smallest silicon area.

Our market vision is to lead keyless access control for vehicles, buildings, and mobile payments, while also enabling centimeter-precise indoor and outdoor localization for various applications such as industrial and home automation, wearable technology, and IoT.

About the Role:

As a Senior Analog IC Designer, you will be working in a multicultural team with extensive experience in RF and digital communication design. You will have the chance to contribute to a full transceiver chip in an advanced technology node. At 3db Access AG, you will be responsible to design important analog RF circuit blocks and also closely collaborate with the System and Digital team.

If you find the following responsibilities appealing and fit the profile, please submit your CV and cover letter through our website: <https://www.3db-access.com/contact>

Key Responsibilities:

As a Senior Analog IC Engineer, you will:

- Contribute to the analog design of complex UWB ICs for the automotive industry.
- Develop analog RF circuit blocks (e.g. VGA, DCO, Mixer, LNA) including simulation, layout, post-layout validation, and characterization.
- Take ownership of a specific part of the transceiver chain.
- Verify developed circuits and troubleshoot complex behaviors in the lab.
- Document your work with precision and timeliness.

About you

Technical skills and education

- Hold an M.Sc. or Ph.D. degree in electrical engineering, preferably with specialization in microelectronics.
- Possess at least 5 years of experience in designing analog circuits, with a focus on RF circuits for wireless communication and preferably know-how in ADPLLs
- Proficient in using EDA tools such as Cadence.
- Demonstrate strong mathematical, statistical, analytical, and conceptual skills.
- Employ a precise and clear documenting methodology with excellent written expression.
- Exhibit excellent spoken and written communication skills in English.

Personal skills and interests

- Be a standout colleague who actively contributes to our startup's team spirit.
- Show a high degree of initiative and interest in interdisciplinary work.
- Display a strong desire to expand your expertise in analog circuit design for UWB applications and share your knowledge with the team.
- Approach problems with curiosity and flexibility, showcasing your ability to learn quickly and take responsibility.