



TUSK IC

Senior Antenna designer

Work environment

Tusk IC is a fabless millimeter wave (mmWave) IC design company, located in Antwerp, Belgium. Founded in 2018 as a spin-off from the KU Leuven, it is a growing start-up at the leading edge of mmWave technology. We have an international team and value collaboration, clear communication and technical excellence.

With 5G, Satellite communication and self-driving cars all relying on mmWave to break through, Tusk IC provides state-of-the-art design solutions for integrated circuits from 3GHz to 300GHz and beyond in CMOS and SiGe technologies. Tusk IC is also developing their own IP and products for LEO/GEO satellite communications.

Come join us and surf the mmWaves!

Position description

As senior antenna designer, you bring RF and mmWave antenna design expertise to complement our existing team of IC designers. You will be responsible for the antenna and package design of our satcom products, including feasibility study, design, simulation, and test planning. This work is done in close collaboration with the rest of the team to have the best, co-optimized solution.

Clear communication during team interactions is essential.

What will be your responsibilities and challenges?

- Spec definition of the antennas and package for LEO/GEO satellite communications
- Design of RF and mmWave antenna-in-package
- Prototyping, support measurements and design iterations of the antenna solutions
- Create test plan, design test structures and analyze test results
- Clear and concise reporting, interaction with the team and customers
- Come up with creative solutions to new, yet-unsolved technical challenges
- Take the lead as antenna expert in a mmWave chip company

Your required competences and qualifications

- BSc (Hons) or higher degree (MSc/PhD) in EE with a focus on antenna design
- **Proven track record with antenna design for RF and mmWave products**
- **5+ years of industry experience in antenna design**
- Experience with full design cycle: specs to measured antennas
- Knowledge and experience with HFSS
- Eager to learn and willingness to adopt new tools and design techniques
- Clear communication skills

- Fluent in English (written and spoken)

Competences that will make you stand out

- Experience with beamforming antenna array (Ku/Ka-band Satcom, 5G, ...)

What we offer

- Dynamic and exciting start-up environment!
- Hybrid working with up to 3 days remote work
- Art-Nouveau office in Antwerp, conveniently located close to Berchem and Central train station.
- Contribute to revolutionary products such as satellite communication, automotive radar, 5G and mmWave sensors
- The opportunity to have direct impact and experience multi-disciplinary challenges
- Incredible colleagues to learn from and have fun with
- Gourmet coffee, carefully selected by our coffee aficionados

Contact information:

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www.tusk-ic.com