



WILL THE NEXT
**BREAKTHROUGH
TECHNOLOGY** BE
YOUR CREATION?

THE FUTURE STARTS HERE

Student Position: Design of UWB Antennas for Mobile Devices

We are looking for a student studying in the greater area of Graz who would like to support us part-time, in parallel to their studies, and would like to gain hands-on experience in an international high-tech company. In this position you will support our team in antenna design and validation at our **NXP site in Gratkorn**.

Your Responsibilities:

- Design of concepts for Broad-band / Multi Channel Antennas
- Simulation of S-Parameters & Radiation plots using 3D tools
- Prototype design
- Measurement of candidate designs on bench and in anechoic chamber
- Comparison / Correlation of simulations Vs Measurements
- Understanding the impact of Group delay, Phase Centre & Polarization variability on Angle of arrival accuracy
- Artificial Reflection Studies into The effects of Antenna Coupling Scenarios & Beamforming on UWB Radar

Your Profile:

- Ongoing studies with a focus on electrical engineering (e.g. Electronics or Electrical Engineering, Information and Computer Engineering, Biomedical Engineering, Digital Engineering or similar)
- Experience with RF Test Equipment e.g. Spectrum Analyser & Vector Network Analyser
- Knowledge of scripting languages (Python, Matlab or similar)
- Interest in RF/Analog & Antenna Design
- CAE Skills – ADS, CST or HFSS, Allegro are a benefit

We Offer:

- Flexible working time
- On-site free beverages and fresh fruit
- Social events (student get-togethers, networking opportunities, etc)
- Possibility to work from our office at TU Graz (Sandgasse)

and many other benefits!

The minimum salary for this position is EUR 16- gross/hour.

[Apply online](#) or **contact:**

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Recruiter – Talent Acquisition Austria

