

»Maybe tomorrow housework becomes a game.«

**Christina**

Supply Chain Qualification



## Tomorrow is our home.

Start swiftly and grow fast at BSH Home Appliances Group: As a leading manufacturer of home appliances and solutions, we move things forward to make people's lives easier. With our global brands Bosch, Siemens, Gaggenau and Neff as well as our local brands, there is a world of opportunities for you to discover. We encourage people to develop their potential and never stop learning. After all, we believe that great work is the result of doing what you love. Join us now and give your career a home.

## Thesis Research & Development EMC Simulation Power Electronic (m/f/d)

BSH Hausgeräte GmbH | Job-ID: 76043733 | Full time / Part time | from May 2026  
Regensburg

### YOUR RESPONSIBILITIES

Are you well-versed in theory and now looking for practical experience in a dynamic company? Then use your talent and expertise to help us with the following tasks

- / Creation of a Master Thesis to develop and validate an equivalent Circuit Models for EMC Simulation of Power Electronic Systems
- / Develop equivalent circuit models for components and subsystems for EMC simulation and analysis
- / Measure S-parameters of real components and prepare measurement data for model extraction and calibration
- / Implement simulation models, validate against measurements, and refine model parameters for accuracy
- / Integrate validated models into full-system EMC simulations and document results for thesis and reports

### YOUR BENEFITS

- / Company-related processing of current topics
- / Personal contact person
- / Appreciative working atmosphere

### YOUR PROFILE

- / Be enrolled in a Master's program in Electrical Engineering, Power Electronics, Electromagnetics, or a related field
- / Advantageous: Knowledge of simulation tools (e.g., MATLAB/Simulink, PLECS, SPICE, CST/Ansys) and familiar with EMI standards
- / Demonstrate independence, curiosity, strong analytical skills, and the ability to collaborate across teams as well as a high motivation
- / Be proficient in MS Office
- / Fluent in German and English

### FURTHER INFORMATION

Please visit [bsh-group.com/career](https://bsh-group.com/career). We would love to welcome you in our team!

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