

# Probe Compensation of Near-Field Probes

Project work (or Master thesis more complex)

## Motivation

- Near-field Scanner can be used to measure electric and magnetic near-fields
- Probes are highly sensitive in the near-field and have complex receiving characteristics
- There are different methods for probe comparison
  - E.g. one is by simulating the emission of the probe (reciprocity)

## Tasks

- Literature review for probe comparison
- Modeling of a simple near-field probe
- Simulation of emission of near-field probe
- Simulation of a near-field “measurement”
- Probe compensation in python for one or more test-devices
- Report and presentation of results

## Requirements

- Passed courses in theoretical electrical engineering and CST course (if offered)
- Python/MATLAB

## Contact

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