



### Short description

In the EMC experimental seminar Emission – Basics you will learn methods for analyzing and optimizing the EMC properties of circuits and devices.

We use circuit models to analyze the relationship between near and far fields. Based on this, strategies for component design and circuit dimensioning are developed.

Using numerous practical examples, we will introduce you to the basic steps for interference suppression of assemblies with suitable EMC measuring instruments.

As a seminar participant, you will carry out many experiments on all key topics yourself. You will test your findings in practice and gain experience in handling near-field probes.

In the three-day seminar, the focus is on fault analysis and practical troubleshooting in the event of interference emission problems. Using numerous practical examples, steps for troubleshooting of assemblies with appropriate EMC measuring instruments are presented.

Your basic understanding of EMC will be deepened. Typical EMC measurement setups are simulated to determine the causes of interference emissions and pre-compliance measurements is carried out.

In the seminar, you will independently examine and suppress interference on a module at your own experimental station.