

Radio & Transmission



The EMC field has an ever increasing importance when technology is designed for more data capacity at higher frequencies. In our portfolio of Ordinary EMC courses we offer three courses and three different combinations covering four levels.

EMC Introduction

OBJECTIVES

Understanding EMC ..
 - terminology
 - problems
 - legal requirements

TARGET GROUP

People with no or little experience from the EMC field

PRECONDITION

The Introduction is recommended for the EMC novice

EMC

OBJECTIVES

Understanding ..
 - of EMC models and calculations
 - emission
 - susceptibility
 - crosstalk
 - shielding & grounding

TARGET GROUP

The EMC courses are intended for people working with EMC in..

- measurements
 - construction
 - design

PRECONDITION

The Standard/Advanced EMC course expects understanding of complex calculation.

EMC Design

OBJECTIVES

Understanding EMC from design perspective by modules like....
 - power supplies
 - oscillators and drivers etc
 - exercise examples

TARGET GROUP

The EMC System Design are intended for people working with EMC in..

- construction
 - design

PRECONDITION

The expert EMC course expects EMC understanding in parity of our 2 day course.

EMC Introduction - 1 day



Platform

Content

- ✘ EMC Terminology
- ✘ EMC caused problems
- ✘ Legal requirements, EMC-directive
- ✘ Emissions & Immunity
- ✘ Wave propagation & Impedance
- ✘ Antennas; Dipole, Monopole, Gain
- ✘ Calculation models
- ✘ Complex Calculation; Rect. & Polar expressions

Aimed for

People with no or little experience from the EMC field.

Products

- EMC-1: EMC Introduction (1 day)
- EMC-2: EMC (2 days)
- EMC-3: EMC Design (1 day)

Product Combinations

- EMC-12: EMC-1+2 (3 days)
- EMC-23: EMC-2+3 (3 days)
- EMC-123: EMC-1+2+3 (4 days)

EMC - 2 days



Standard Advanced

Content

- ✘ Signal types
- ✘ Transmission line calculations
- ✘ Inductance and Ferrites frequency characteristics
- ✘ Radiated Emission and Susceptibility
- ✘ Conducted Emission and Susceptibility
- ✘ Crosstalk
- ✘ Shielding
- ✘ Grounding and System Configuration

Aimed for

People with some previous experience from the EMC field.

EMC Design - 1 day



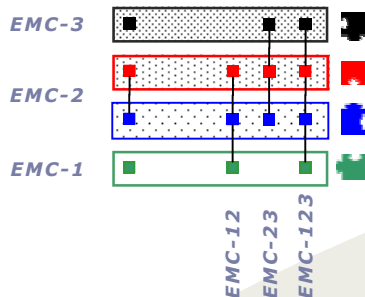
Expert

Content

- ✘ System Design for EMC
 - Power supply in fast systems
 - Oscillators and drivers
 - Crosstalk
 - Rules of construction
- ✘ Exercises
 - Transmission lines
 - Signal Spectrum
 - Emission & Susceptibility
 - Crosstalk
 - Real Case Applications

Aimed for

People who need a thorough EMC knowledge with examples describing typical calculations.



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Please call for more information

