

Item No.: SO4204-9Z

Course Complex antenna systems

Includes:

- CD-ROM with Labsoft browser and course software
- Stand equipment, holders, adapters and connection leads
- Storage case

Antennae:

- 10dB, 15dB, 20dB horn antennae
- Configurable slot antenna with 10 radiators
- Microstrip antenna
- Dielectric antenna
- Configurable parabolic antenna
- Lüneberg lens
- Reflecting disc



Waveguide accessories

- Terminator
- E-bend
- Waveguide-coaxial connection
- E/H positioner
- Adapter R100/UBR100

Course contents:

- Introduction
 - Radiator Arrangements
 - Far-field Conditions
- Patch Antennae
 - What is a Patch Antenna
 - Feed to a Patch Antenna
 - Circular Polarisation
 - The Radiation Pattern
 - Linear Polarised Patch Antenna
 - Circular Polarised Patch Antenna

- Horn Antennae
 - The Horn Antenna
 - The open Wave Guide
 - 10dB Horn Antenna
 - 15dB Horn Antenna
 - 20dB Horn Antenna
- Dielectric Antennae
 - The Dielectric Radiator
 - Functioning
 - Dielectric Antenna
- Group Antennae
 - Phased Array Antennae
 - The Slot Antennae
 - Groups of Slot Antennae
 - Function of the Microstrip Antenna
- Parabolic Antennae
 - The Parabolic Antenna
 - Types of Parabolic Antennae
 - Patch Antenna as the Primary Radiator
 - Horn Antenna as the Primary Radiator
- Reflections and RADAR
 - Reflections in a Radio Transmission Path
 - Effects of Reflections
 - The Principle of Radar
 - Radar Cross Section
 - Reflections from a smooth surface
 - Increasing the Reflecting Surface
 - The passive Radio Transponder

- Course duration 16 h approx.