

Understanding Antennas

2 Day Course

Why attend?

Antennas are found in all radio based communications systems and the properties and performance of the antennas is a key determinant in the design of much of the rest of the system. This course on antennas describes the properties of antennas as system elements and illustrates the principles, with descriptions, of a selection of commonly encountered antenna types.

Who should attend?

- Engineers needing to appreciate the operation of antennas in a modern communications environment. This course does not cover antenna design.
- Engineers dealing with smartphones, Wi-Fi, smart home, enabled tech, and the Internet of Things.

Your programme includes:

The course uses basic ideas of electromagnetics and communications systems to describe the operation of antennas in a communications system and covers the follow subjects:

- Antenna parameters, gain, beamwidth, aperture, directivity, efficiency etc.
- The physics of the radiation mechanism
- Antennas in reception, antenna noise properties
- The Friis transmission equation
- Array antennas
- Aperture antennas
- Broadband antennas
- Circular polarised antennas

Available: On Request

Would you prefer an in-house or bespoke course?

Here at Eurofins York we can deliver most of our courses on-site and even tailor courses to your own personal requirements.



Key Benefits

12
CPD HOURS

- Antenna parameter discussion
- Treatment of different types of antennas
- Introduction to the physics behind antennas
- Properties and performance

