

Learning Module

CST Studio Suite - Microwave and Antenna

Throughout this course you will become familiar with the high frequency solvers used to simulate different type of antennas. This course will also discuss more specific topics like antenna matching network and SAR calculations in the human body.

Objectives

Upon completion of this course you will be able to:

- Construct & simulate antennas using different solvers.
- Visualize & extract primary results (S-Parameters, Nearfield distribution, Farfield) & more advanced results using postprocessing (i.e. Potential Bandwidth, SAR).
- Handle imported CAD models.
- Design simple matching network.
- Use the Hybrid Solver to simulate more complex RF Systems.

Knowledge Prerequisites

Introduction to CST Studio Suite.

Language(s) for selected release

English

Contents

Overview - CST Studio Suite - Microwave and Antenna

1 - Waveguide Ports

2 - Meshing Overview

3 - Antenna Simulation Overview

Workshops

Brands

Simulia

Available Releases

SIMULIA 2020, SIMULIA 2019

Duration

8 hours

Discipline

CST Studio Suite