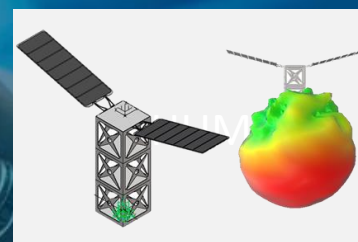


ANTENNA PLACEMENT ESSENTIALS

SIMULIA COURSE DESCRIPTION



Level: Fundamental
Products: 3DEXPERIENCE
Disciplines: Electromagnetics

Audience
 This course is intended for the following role:
 · Antenna Placement Electromagnetics Engineer

Why take this course?

This course is an introduction to the Antenna Placement app on the 3DEXPERIENCE platform. It teaches you how to import antenna models from CST Studio Suite and then evaluate their installed performance at positions on a selected platform (for example, a vehicle, an aircraft, or an electronic device). Antenna placement studies help you find the best position for an antenna on the platform by providing you the results of the installed antenna's performance. The course covers the complete simulation workflow from model setup, to simulation execution and postprocessing.

What will you learn?

Upon completion of this course, you will be able to:

- Be able to perform simulation of installed antenna(s) using the 3DEXPERIENCE platform
- Import and setup of 3DXML file, simulation execution in CST, and analyzing results using widgets on the platform.

- Understand the Hybrid task solver and other solvers suitable for Antenna Placement applications.
- Simulate a workshop model to understand the setup and simulation of the model on 3DEXPERIENCE platform.

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Run simulations collaboratively within the 3DEXPERIENCE platform, connecting design, data, and analysis seamlessly.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

None, but a basic knowledge of electromagnetics and antenna applications would be beneficial.

Agenda for Virtual Live Sessions

Participate in hands-on, real-time workshops where you'll gain practical expertise. Here's what you'll cover:

[Join an Instructor Led Session](#)

Day 1

Lesson 1: 3DEXPERIENCE Antenna Placement Overview

Lesson 2: Hybrid Solver Simulation

Lesson 3: 3DEXPERIENCE AntennaPlacement Interface

Lesson 4: Coverage Analysis

Workshop 1: Antenna Installed Performance for CubeSat Model

Lesson 5: Interference Analysis

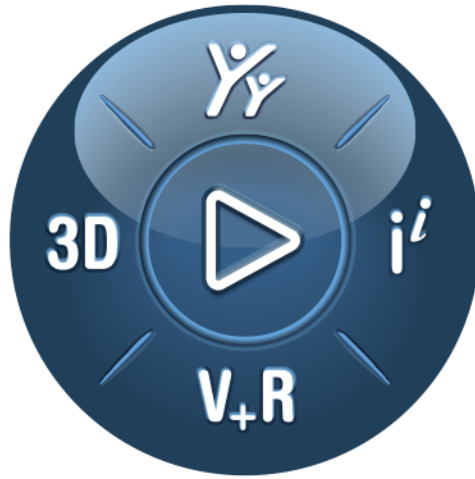
Workshop 2: Signal Interference Surrounding a Cell Tower

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



3DEXPERIENCE®

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' 3DEXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

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