

# Ansys 2025/R1

POWERING INNOVATION THAT DRIVES HUMAN ADVANCEMENT

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## Getting Started with EMIT



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Release 2025 R1  
January 2025

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This instruction means that you should click the **Line** command on the **Schematic** ribbon tab. An image of the command icon, or a partial view of the ribbon, is often included with the instruction.

- The *menu bar* (located above the ribbon) is a group of the main commands of an application arranged by category such File, Edit, View, Project, etc. An example of a typical user interaction is as follows:

"On the **File** menu, click the **Open Examples** command" means you can click the **File** menu and then click **Open Examples** to launch the dialog box.

- Another alternative is to use the *shortcut menu* that appears when you click the right-mouse button. An example of a typical user interaction is as follows:

"Right-click and select **Assign Excitation> Wave Port**" means when you click the right-mouse button with an object face selected, you can execute the excitation commands from the shortcut menu (and the corresponding sub-menus).

### Getting Help: Ansys Technical Support

For information about Ansys Technical Support, go to the Ansys corporate Support website, <http://www.ansys.com/Support>. You can also contact your Ansys account manager in order to obtain this information.

All Ansys software files are ASCII text and can be sent conveniently by e-mail. When reporting difficulties, it is extremely helpful to include very specific information about what steps were taken or what stages the simulation reached, including software files as applicable. This allows more rapid and effective debugging.

### Help Menu

To access help from the Help menu, click **Help** and select from the menu:

- **[product name] Help** - opens the contents of the help. This help includes the help for the product and its *Getting Started Guides*.
- **[product name] Scripting Help** - opens the contents of the *Scripting Guide*.
- **[product name] Getting Started Guides** - opens a topic that contains links to Getting Started Guides in the help system.

### Context-Sensitive Help

To access help from the user interface, press **F1**. The help specific to the active product (design type) opens.

You can press **F1** while the cursor is pointing at a menu command or while a particular dialog box or dialog box tab is open. In this case, the help page associated with the command or open dialog box is displayed automatically.

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# 1 - Introduction

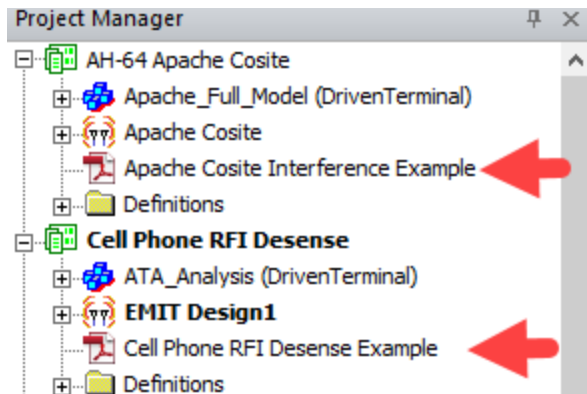
The tutorials in this section are intended as supplementary material for EMIT users. In addition to using the online help, an excellent way to get started with EMIT is to work through the included examples and the accompanying tutorials.

The examples directory for EMIT includes the following pre-built projects:

- AH-64 Apache Cosite
- Cell Phone RFI Desense
- PlanarInvertedF\_MIPI\_C\_Demonstration

1. Click **File > Open Examples** and open the EMIT folder.
2. Select either AH-64 Apache Cosite.aedt or Cell Phone RFI Desense.aedt.

After you load the aedt file, the example is shown in the Project Manager along with a detailed PDF guide that is accessible from the Project Manager window as shown below:



There is also a detailed tutorial provided in the Examples subfolder contained in the installation directory (C:\Program Files\ANSYS Inc\v251\AnsysEM\Examples\EMIT\Tutorials).

The Intro to RF Desense.pdf document contains summary information about the tutorial as well as a link to the [Ansys Learning Hub](#) video tutorials for this example:

Introduction

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Overview of the Design in Ansys HFSS Software

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Linking the EMIT and HFSS Software Designs

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EMIT Components: Emitters and Radios with Antennas

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Analysis and the Unified Window

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Evaluating Results in the Unified Window

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Mitigate with Revised Coupling in Ansys HFSS Software and Harmonic Suppression

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N-to-1 Interference Case

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Compare Designs in Ansys HFSS Software and Assess Mitigation Strategy

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Mitigating Camera Interference through Spectral Control

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Summary

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Quiz

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