



Getting Started with EMIT



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Conventions Used in this Guide

Please take a moment to review how instructions and other useful information are presented in this documentation.

- Procedures are presented as numbered lists. A single bullet indicates that the procedure has only one step.
- Bold type is used for the following:
 - Keyboard entries that should be typed in their entirety exactly as shown. For example, “**copy file1**” means you must type the word **copy**, then type a space, and then type **file1**.
 - On-screen prompts and messages, names of options and text boxes, and menu commands. Menu commands are often separated by greater than signs (>). For example, “click **HFSS > Excitations > Assign > Wave Port.**”
 - Labeled keys on the computer keyboard. For example, “Press **Enter**” means to press the key labeled **Enter**.
- Italic type is used for the following:
 - Emphasis.
 - The titles of publications.
 - Keyboard entries when a name or a variable must be typed in place of the words in italics. For example, “**copy filename**” means you must type the word **copy**, then type a space, and then type the name of the file.
- The plus sign (+) is used between keyboard keys to indicate that you should press the keys at the same time. For example, “Press Shift+F1” means to press the **Shift** key and, while holding it down, press the **F1** key also. You should always depress the modifier key or keys first (for example, Shift, Ctrl, Alt, or Ctrl+Shift), continue to hold it/them down, and then press the last key in the instruction.

Accessing Commands: *Ribbons*, *menu bars*, and *shortcut menus* are three methods that can be used to see what commands are available in the application.

- The *Ribbon* occupies the rectangular area at the top of the application window and contains multiple tabs. Each tab has relevant commands that are organized, grouped, and labeled. An example of a typical user interaction is as follows:

"Click **Schematic > Line**"



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

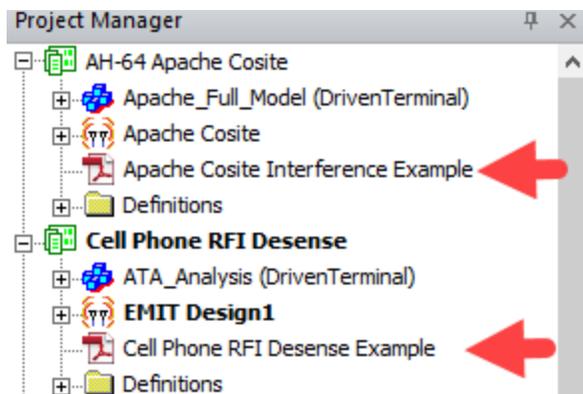
The tutorials in this section are intended as supplementary material for EMIT users. In addition to using the online help, an excellent way to get started with EMIT is to work through the included examples and the accompanying tutorials.

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

- AH-64 Apache Cosite
- Cell Phone RFI Desense

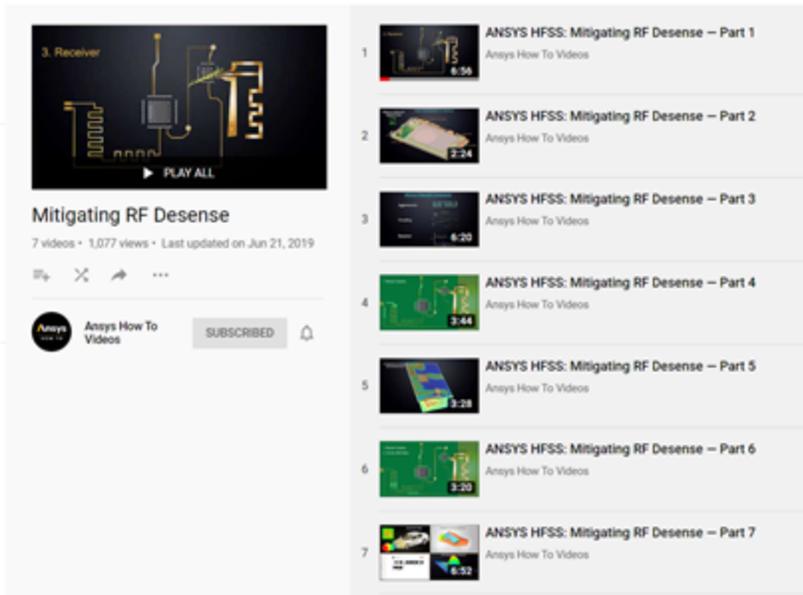
1. Click **File > Open Examples** and open the EMIT folder.
2. Select either AH-64 Apache Cosite.aedt or Cell Phone RFI Desense.aedt.

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\AnsysEM\v242\Win64\Examples\EMIT\Tutorials).

The IoT_Board_Desense.pdf document in this directory contains detailed information about the tutorial as well as a link to a series of YouTube video tutorials for this example.



The image shows a YouTube playlist interface. On the left, there is a video player thumbnail for '3. Receiver' with a 'PLAY ALL' button. Below the player, the title 'Mitigating RF Desense' is displayed, along with '7 videos · 1,077 views · Last updated on Jun 21, 2019'. The channel name 'Ansys How To Videos' and a 'SUBSCRIBED' button are also visible. On the right, a list of seven video thumbnails is shown, each with a number and a duration. The titles for all videos are 'ANSYS HFSS: Mitigating RF Desense – Part 1' through 'Part 7'.

Video Number	Video Title	Channel	Duration
1	ANSYS HFSS: Mitigating RF Desense – Part 1	Ansys How To Videos	6:36
2	ANSYS HFSS: Mitigating RF Desense – Part 2	Ansys How To Videos	2:24
3	ANSYS HFSS: Mitigating RF Desense – Part 3	Ansys How To Videos	6:20
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