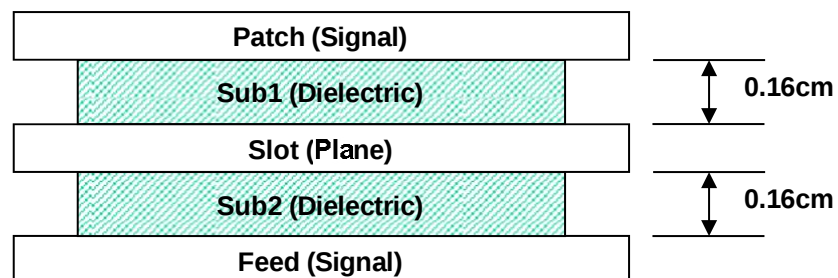
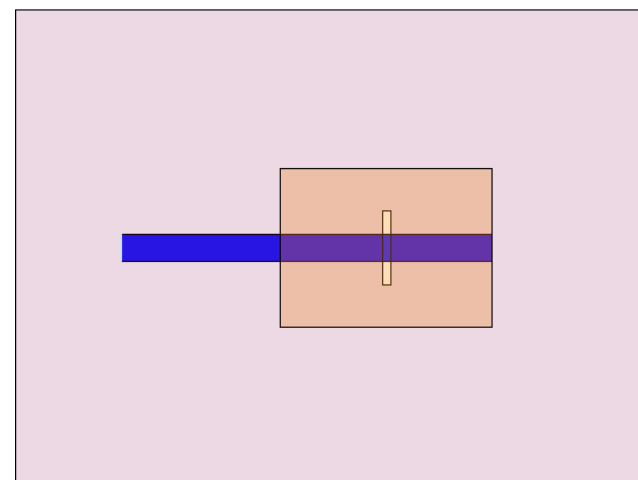
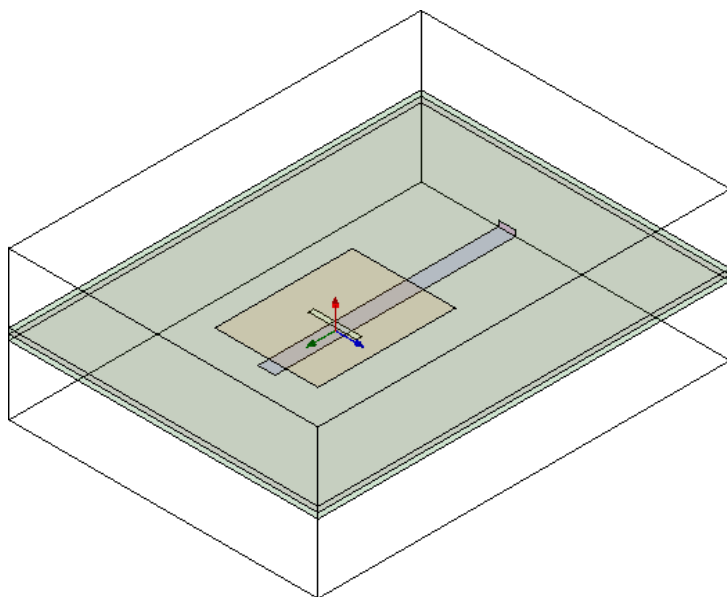


• The Slot Coupled Patch Antenna

- This example is intended to show you how to create, simulate, and analyze a probe feed patch antenna using the [Ansoft HFSS Design Environment](#).



Getting Started

• Launching Ansoft HFSS

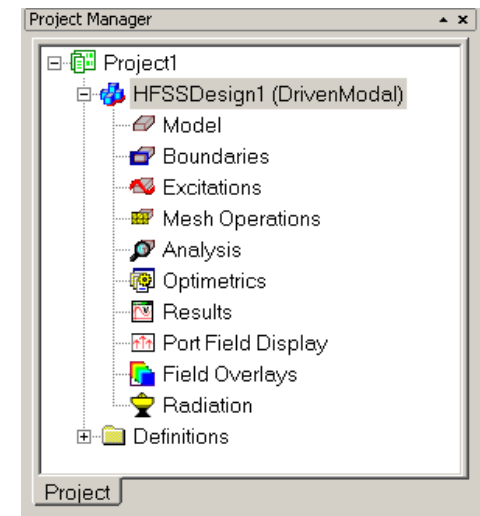
- To access Ansoft HFSS, click the Microsoft **Start** button, select **All Programs**, and select the **Ansoft > HFSS 14.0** program group. Click **HFSS 14.0**.

• Opening a New Project

- In HFSS Desktop, click the  On the Standard toolbar, or select the menu item **File > New**.
- From the Project menu, select **Insert HFSS Design**.

• Setting Tool Options

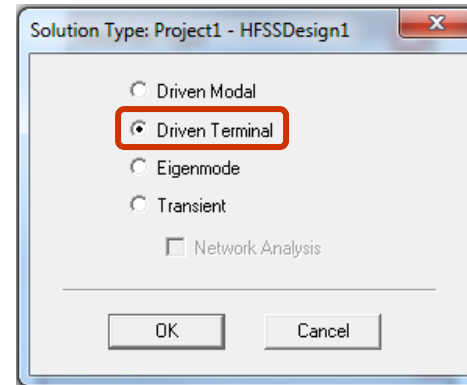
- **Note:** In order to follow the steps outlined in this example, verify that the following tool options are set :
- Select the menu item **Tools > Options > HFSS Options...**
 - Click the **General** tab
 - Use Wizards for data input when creating new boundaries.: ☒ **Checked**
 - Duplicate boundaries/mesh operations with geometry.: ☒ **Checked**
 - Click the **OK** button
- Select the menu item **Tools > Options > Modeler Options...**
 - Click the **Operation** tab
 - Automatically cover closed polylines: ☒ **Checked**
 - Select last command on object select: ☒ **Checked**
 - Click the **Drawing** tab
 - Edit properties of new primitives: ☒ **Checked**
 - Click the **OK** button



Creating the 3D Model

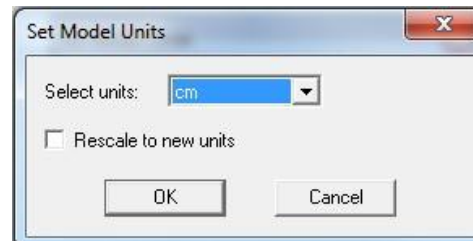
- **Set Solution Type**

- Select the menu item **HFSS > Solution Type**
 - Choose **Driven Terminal**
 - Click the **OK** button



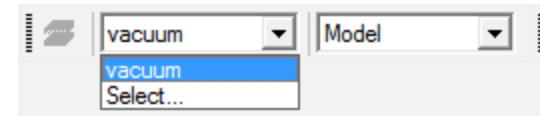
- **Set Model Units**

- Select the menu item **Modeler > Units**
 - Select Units: **cm**
 - Click the **OK** button



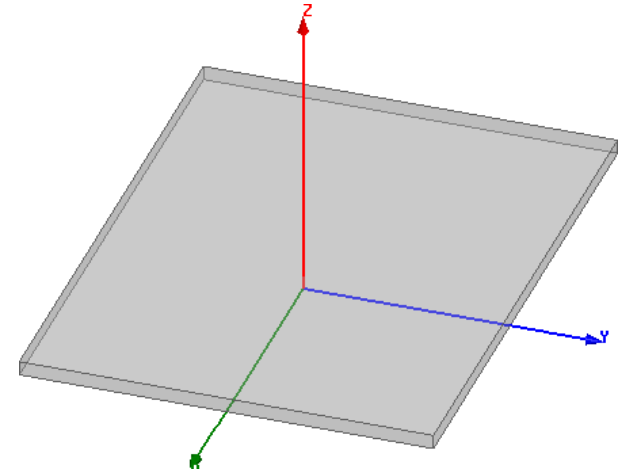
- **Set Default Material**

- Using the 3D Modeler Materials toolbar, choose **Select**
 - Type **Rogers RT/duroid 5880 (tm)** in the **Search by Name** field
 - Click the **OK** button



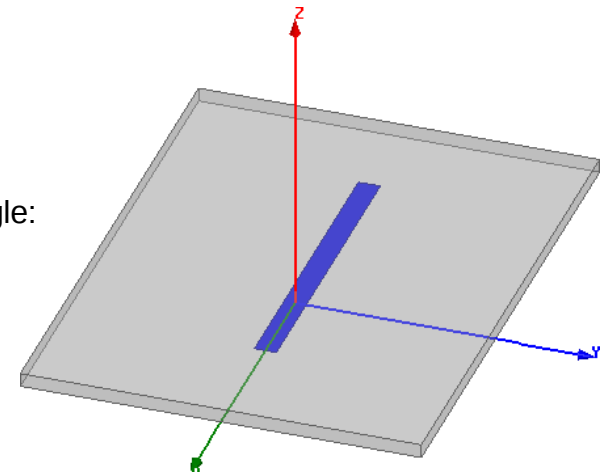
• Create Substrate

- Select the menu item **Draw > Box**
 - Using the coordinate entry fields, enter the box position
 - X: **-7.0**, Y: **-4.5**, Z: **0.0**, Press the **Enter** key
 - Using the coordinate entry fields, enter the opposite corner of the box
 - dX: **12.0**, dY: **9.0**, dZ: **0.32**, Press the **Enter** key
- Select the **Attribute** tab from the **Properties** window.
 - For the **Value** of **Name** type: **Sub1**
 - Change the **Color** to **Light Gray**
 - Change the **Transparency** to **0.6**
 - Click the **OK** button
- **To fit the view:**
 - Select the menu item **View > Fit All > Active View**. Or press the **CTRL+D** key



• Create the Feed

- Select the menu item **Draw > Rectangle**
 - Using the coordinate entry fields, enter the rectangle position
 - X: **-5.0**, Y: **-0.2475**, Z: **0.0**, Press the **Enter** key
 - Using the coordinate entry fields, enter the opposite corner of the rectangle:
 - dX: **7.0**, dY: **0.495**, dZ: **0.0**, Press the **Enter** key
- Select the **Attribute** tab from the **Properties** window.
 - For the **Value** of **Name** type: **Feed**
 - Change the **Color** to **Bright Blue**
 - Click the **OK** button



以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/948075036017006033>