**CPW_to_Slotline**

**Where To Find This Example**

Select Help > Open Examples... from the menus and type either the example name listed above or one of the keywords below.

Or in Version 13 or higher you can open the project directly from this page using this button. Make sure to select the Enable Guided Help before clicking this button.

Open Install Example

**Design Notes**

**CPW to Slot Line Transition**

**Overview**

This example demonstrates a (coplanar wave guide) CPW to Slot Line transition in AWR's AXIEM EM Simulator. In this design the two CPW lines from two sides are transitioned to a single slot line. One of the slots of each CPW is terminated with broadband slotline radial stub, while the other slot extends further to meet the slotline. CPW lines are simulated using the differential ports.

**Simulation Plots**

Return_and_Insertion_Loss graph shows the insertion and return loss.

**EM Structure - CPW_to_Slot_Line**

![EM Structure - CPW_to_Slot_Line](image)

**Graph - Return_and_Insertion_Loss**