附錄一：Agilent/ADS 簡介

Create a new project
Key in the path and project names
Such as D:\aa\bb\project1
Open a new design (schematic)
Save design
Select **Simulation S Param** in the Palette List
Place a **SP** and two **Term** components onto the layout region.
Double click the **SP1** and edit the simulation frequencies
Add **GNDs** and **nets**
Select **Lumped Component** in the Palette List.
Place **R, L and C** components onto the layout region, and rotate them.
Edit the property of **R1, L1 and C1** by selecting it and clicking the circled button or by double-click.
Add **GNDs** and **nets**, and finish the design.
Start simulation by clicking the circled button, a data plot window pops out if simulation succeeds, or else check **status/summary** window
Maximize the data plot window, and present $S_{11}$ on a Smith Chart by following the circles and arrows.
$S_{11}$ shown on a Smith Chart
Present $S_{21}$ on a rectangular plot by following the circles and arrows.
Click the circled button to view all