

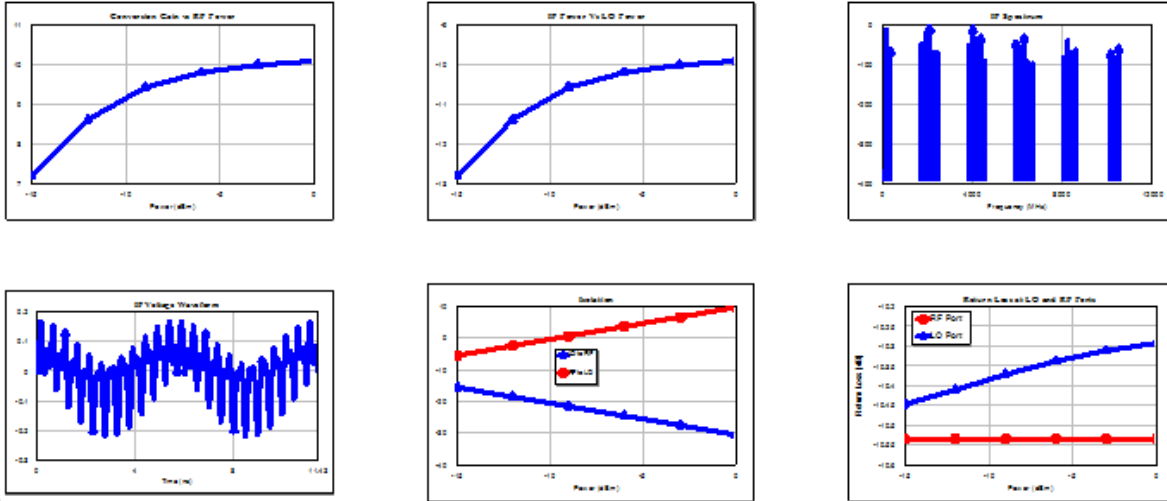
Mixer_Swept_LO_Power

This test bench project shows a Mixer with Sweep LO Power.

This test bench includes:

Schematics:

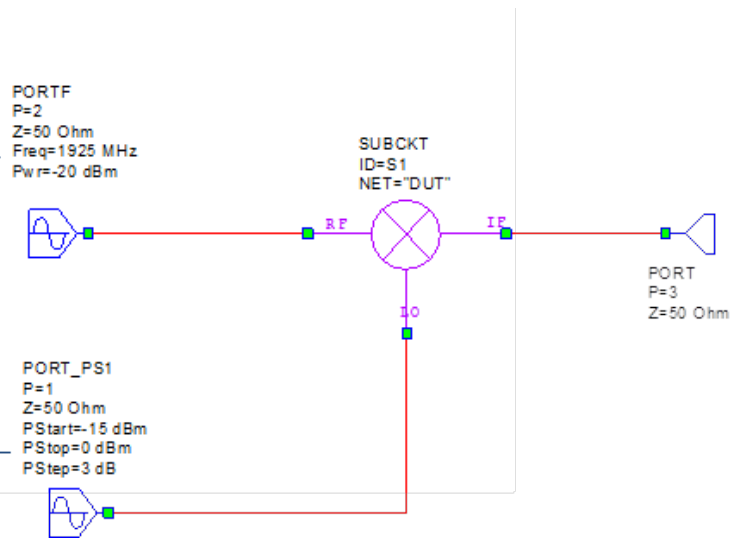
Mixer_Swept_LO_Power_Display - embeds all graphs into one display



- **Mixer_Swept_LO_Power** - the test bench setup. Includes notes on where to change settings specific to your design

• Set LO frequency on schematic options, right click the schematic, select "Options". On "Frequencies" tab, enter a single frequency.
 • Adjust harmonic settings, right click the schematic in project pane, select "Options". On "Aplac Sim" tab, increase tone 1 and tone 2 values until results don't change.
 • Set RF frequency and power here.

• Set LO power sweep here.



Graphs

- Conversion Gain vs RF Power
- IF Power Vs LO Power
- IF Spectrum
- IF Voltage Waveform
- Isolation
- Return Loss at LO and RF Ports

Project Folders

- Mixer_Swept_LO_Power - Folder containing all the schematics, graphs and equations for this project.

Importing the Test Bench

If you are unable to import the test bench automatically by clicking the Import test bench button above, click [Here](#) to do that manually.