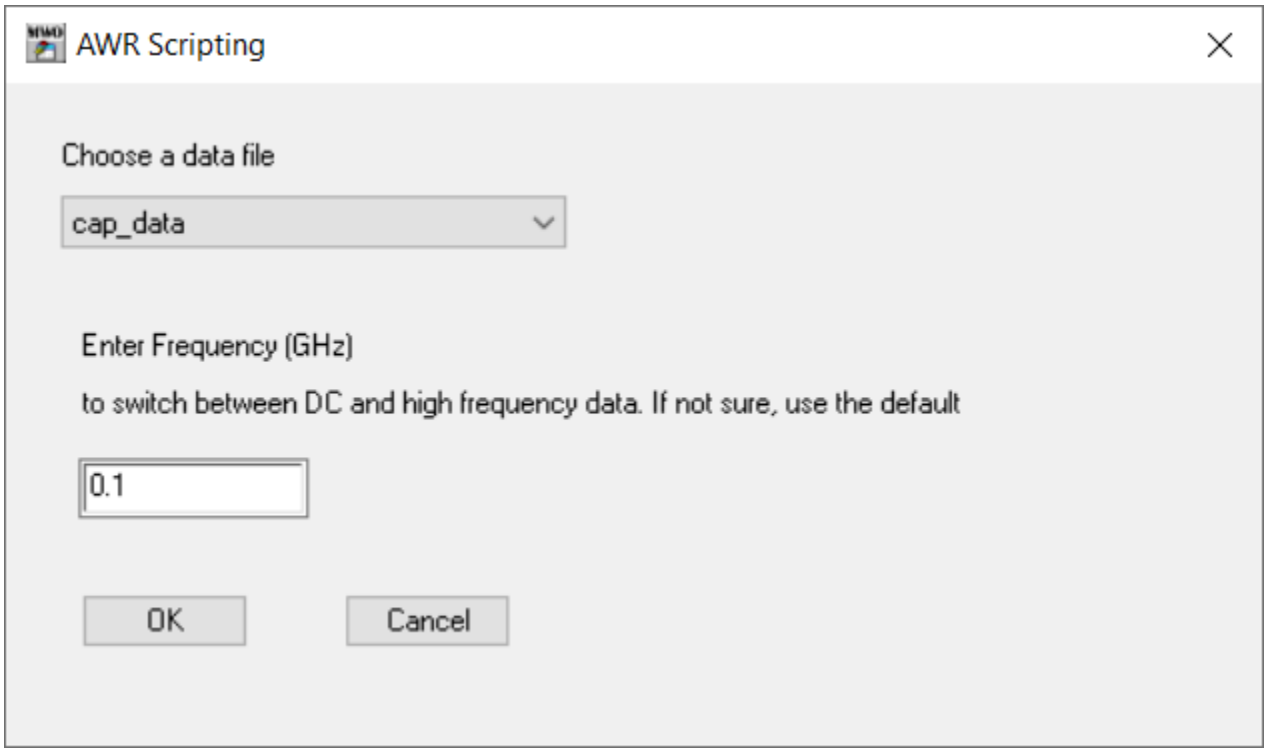
How Do I Fix DC Problem In Data Files

Problem

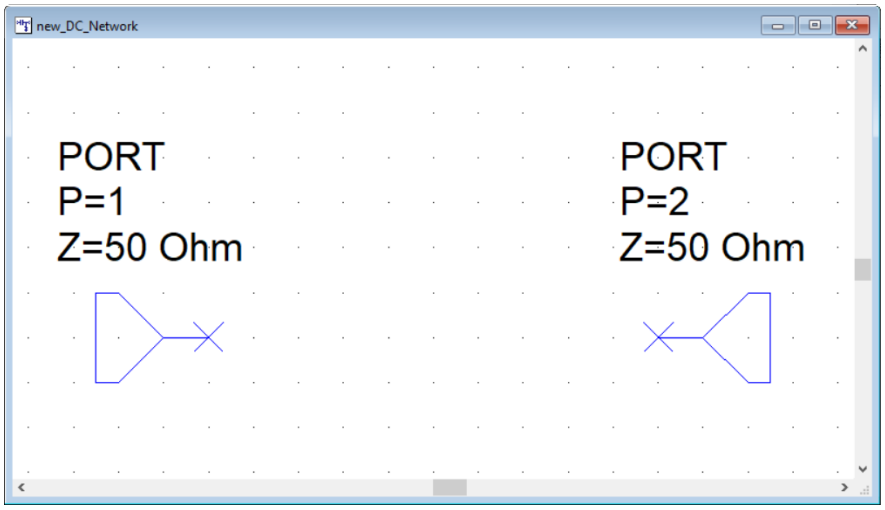
My datafile does not contain DC data in it. How do I fix it?

Solution

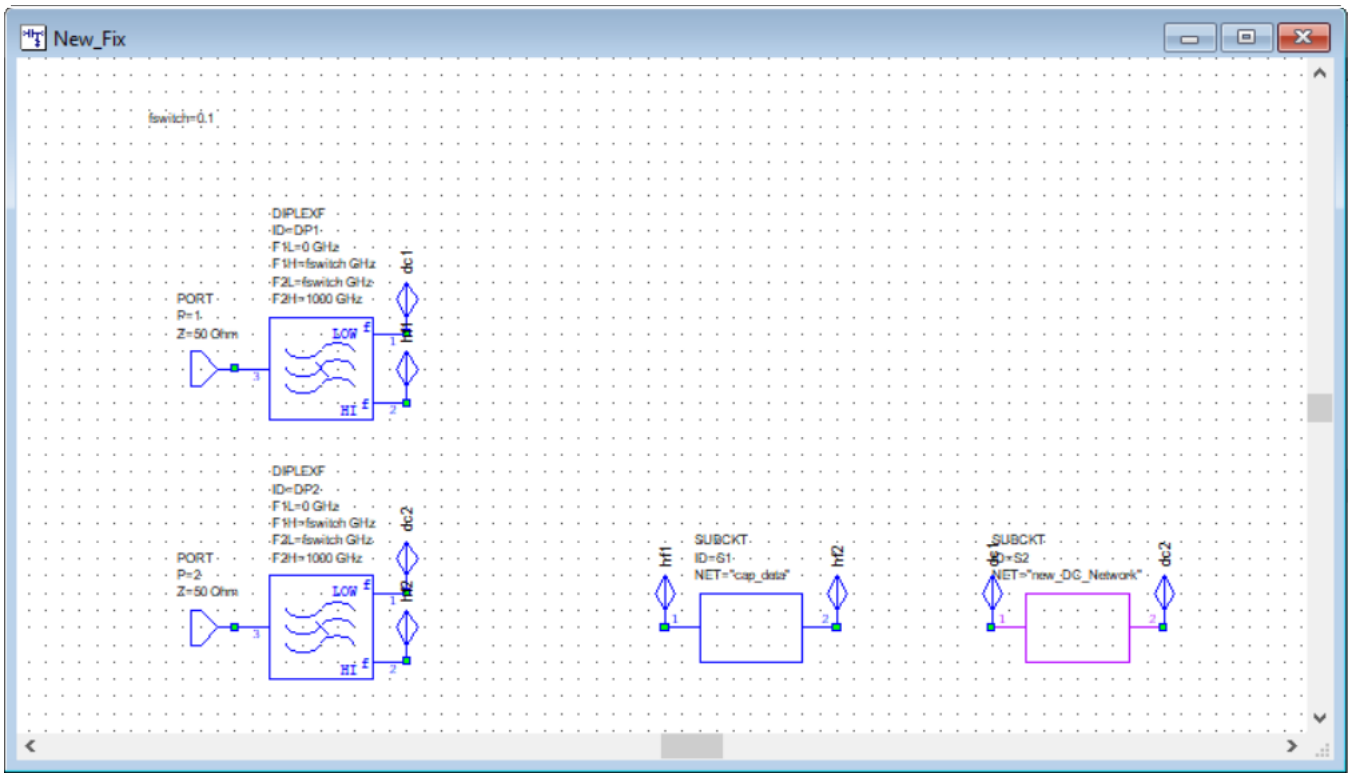
There is a visual basic script available just to solve this problem. The *DC_Network_Setup* script can be found in the download section of this article. Once the script is imported into the project, it can be run from the scripts menu (**Scripts > Data > DC_Network_Setup**). When you run the script you will get the dialog box prompting you to choose a data file.The **Cutoff Frequency for upper low and lower high band** is assigned to Diplexer element **DIPLEXF**. If you are not sure value you should set it to, just use the default value. **Currently this script only works for touchstone data files and MDIF files with single variable**.



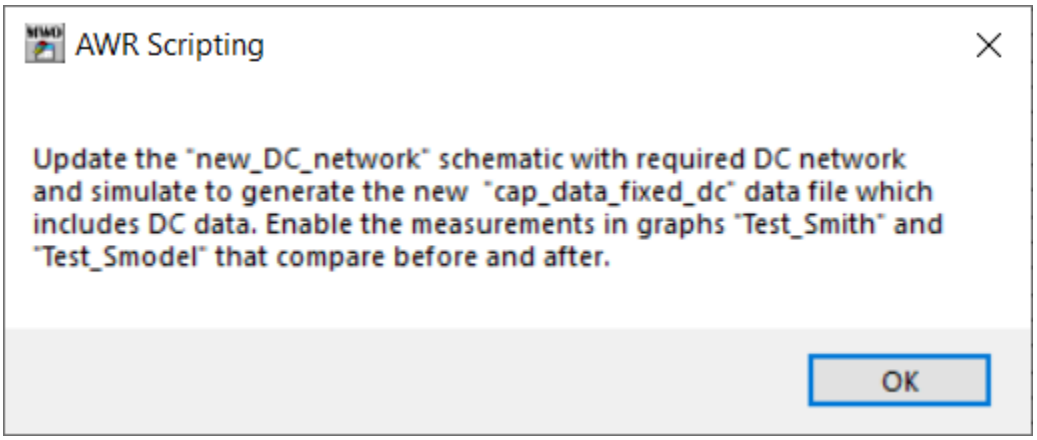
After you click OK, a schematic named **new_DC_network** is created with the same number of ports as the data file. You'll need to complete the DC network as needed in this schematic.



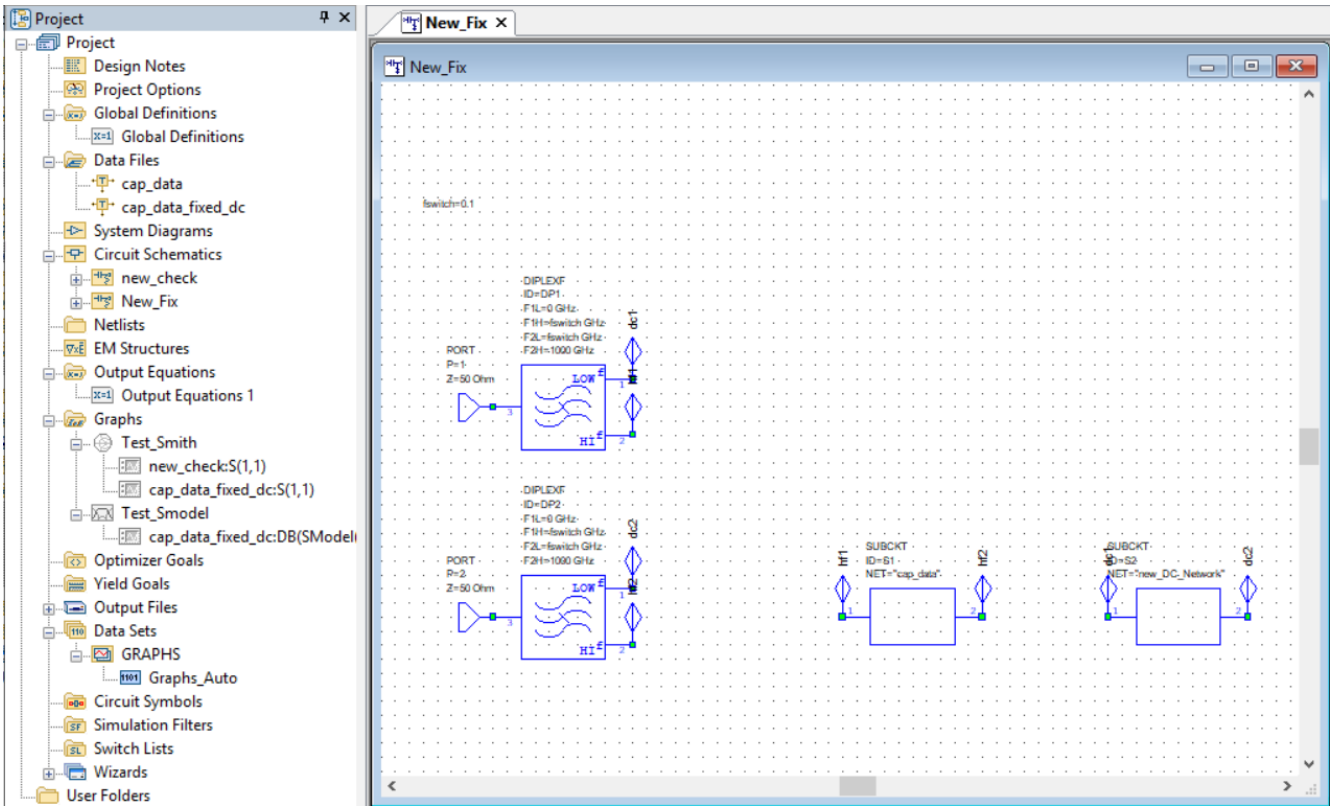
The **new_DC_Network** is wired in **New_Fix** schematic as shown in the following figure



You will get the following dialog box asking you to simulate the project in sequence as indicated



After you simulate the project, a new datafile with DC value added to it created and added under DataFiles. The script also creates graphs plotting the **Smo del** measurement comparing the original and DC fixed data file.



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DC_Network_Setup.zip