

VARIABLES



"Opt" is the optimum source match for minimum noise, taken from "SparamNoise.dds" $\,$

CREATE INPUT MATCHING NETWORK WITH TLS:

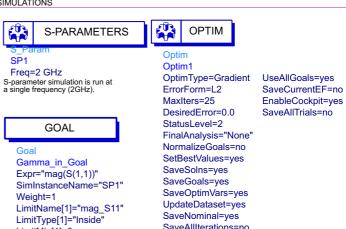
The device will be matched for minimum noise figure at 2 GHz.

- 1) The input reflection of "S1" is set to the complex conjugate of the impedance to be matched to 500hms (in this case, "Opt", the optimum noise match).
- 2) The TLin1 and TLin2 lengths are optimized until the a perfect matching happens between source and the matching network i.e. untill mag(S(1,1))=0.

SIMULATIONS

LimitMin[1]=0

LimitMax[1]=0.001 LimitWeight[1]=1



SaveAllIterations=no

UseAllOptVars=yes