

## **NsCircle N1** NoiseCircles=ns circle({1.5,2,2.5,3,3.5},NFmin,Sopt,Rn/50,51) specify values for noise circles in dB here (default is NFmin+{0,1,2,3})

## SIMULATIONS



S Param

SP1

Start=1.9 GHz Stop=2.2 GHz Step=1 MHz

CalcNoise=ves

Noise analysis is set in the "S Param" simulation component.

At each frequency, rn: - effective noise resistance

Sopt - optimum noise match NFmin - minimum noise figure are calculated.

This options block is used to set the ambient temperature for

of "Temp" is 25C, which is a

conductors. However, for the

most accurate noise analysis,

"temp" should be set to 16.85C.

convenient value for semi-

the simulation. The default value



Options1

Tnom=25 TopologyCheck=yes

I RelTol=1e-6 A GiveAllWarnings=yes MaxWarnings=10

RESULTS Results are written to SparamsNoise.ds and displayed in SparamNoise.dds

## **OPTIONS** Options

Temp=16.85

V RelTol=1e-6 V