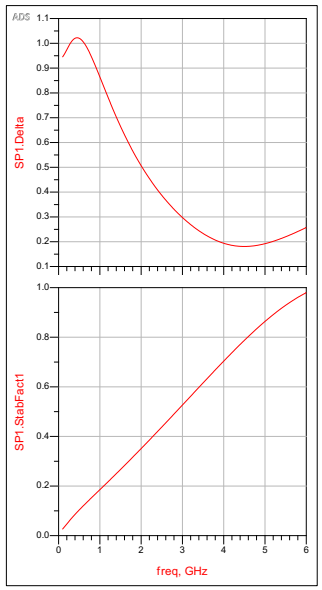
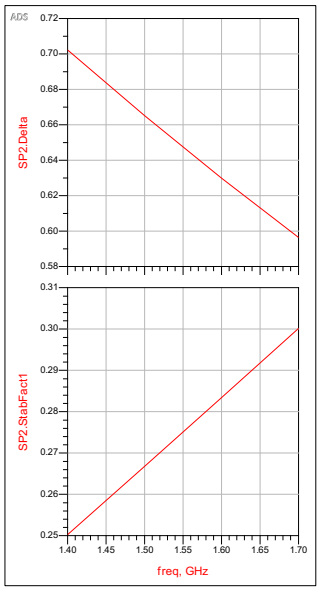
Gain

freq	SP2.SP.S(2,1)
1.400 GHz	22.909 / 125.870
1.500 GHz	22.569 / 121.313
1.600 GHz	22.229 / 117.059
1.700 GHz	21.890 / 113.070

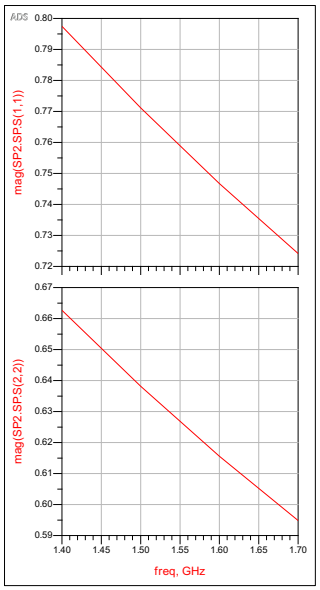


freq	SP2.StabFact1	SP2.Delta
1.400 GHz	0.250	0.702
1.500 GHz	0.267	0.665
1.600 GHz	0.283	0.630
1.700 GHz	0.300	0.596

This device is conditionally stable because at the interested range, the K-factor is below 1.



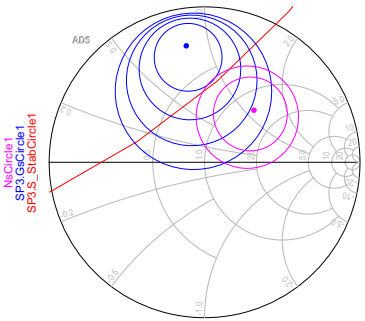
The region outside of stability circle is stable

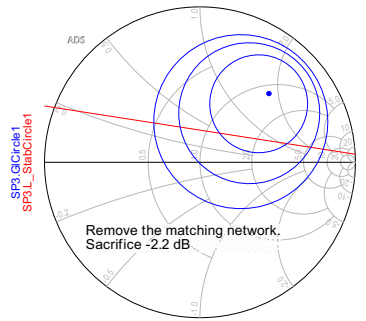


freq	SP2.SP.S(2,1)
1.400 GHz	22.909 / 125.870
1.500 GHz	22.569 / 121.313
1.600 GHz	22.229 / 117.059
1.700 GHz	21.890 / 113.070

By sacrificing -3 dB, we can have minimized noise figure

freq	Zopt1
1.550 GHz	68.073 + j57.868





SP3.S_StabRegion1	SP3.L_StabRegion1
Outside	Inside

freq	SP2.SP.S(1,1)	SP2.SP.S(2,2)
1.400 GHz	0.797 / -91.249	0.663 / -35.962
1.500 GHz	0.771 / -96.413	0.638 / -42.027
1.600 GHz	0.747 / -101.375	0.616 / -47.657
1.700 GHz	0.724 / -106.153	0.595 / -52.913