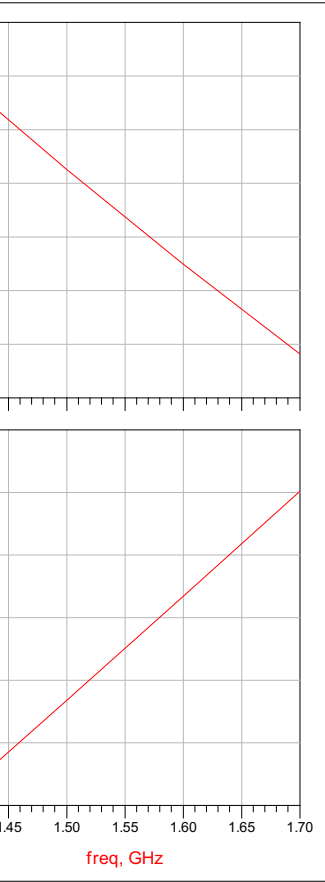
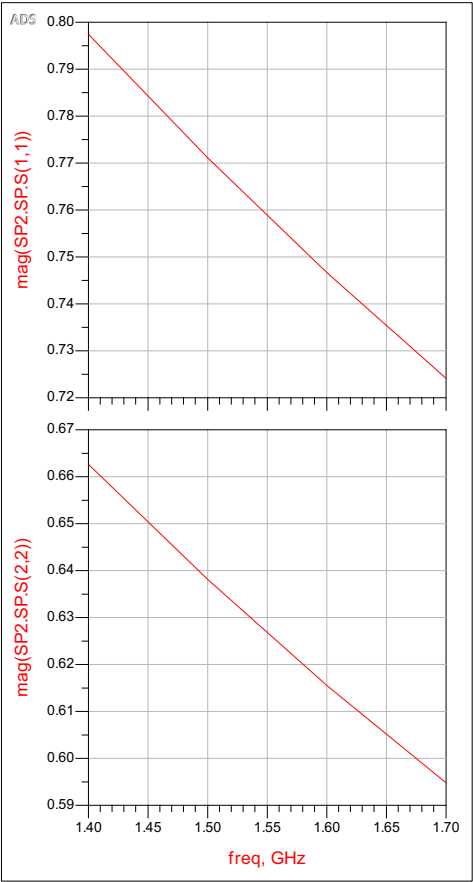


conditionally stable because
d range, the K-factor is

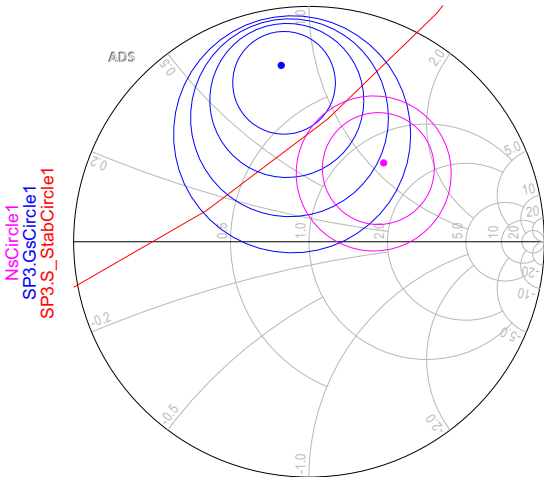


The region outside of stability
circle is stable

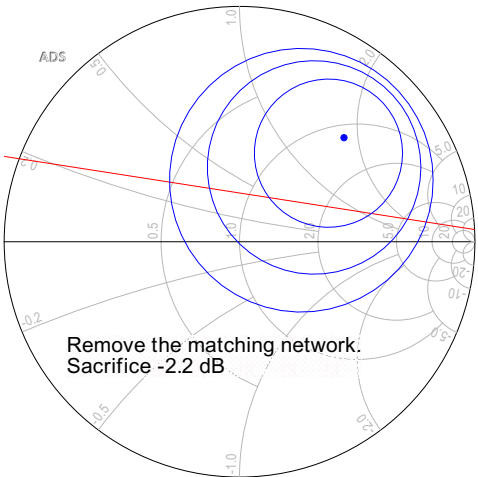


By sacrificing -3 dB, we can have minimized noise figure

freq	Zopt1
1.550 GHz	68.070 + j57.867



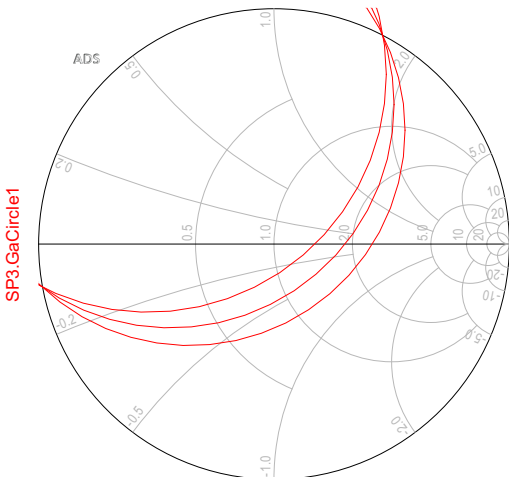
indep(SP3.S_StabCircle1) (0.000 to 51.000)
cir_pts (0.000 to 51.000)



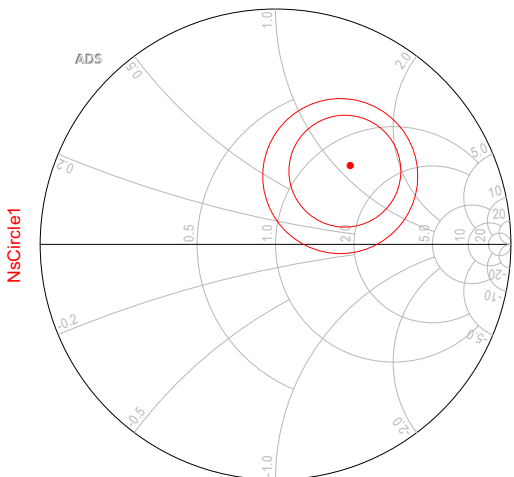
Remove the matching network.
Sacrifice -2.2 dB

indep(SP3.L_StabCircle1) (0.000 to 51.000)
cir_pts (0.000 to 51.000)

SP3.S_StabRegion1		SP3.L_StabRegion1	
Outside		Inside	
freq	SP2.SP.S(1,1)	SP2.SP.S(2,2)	
1.400 GHz	0.797 / -91.255	0.663 / -35.965	
1.500 GHz	0.771 / -96.419	0.638 / -42.031	
1.600 GHz	0.747 / -101.380	0.616 / -47.660	
1.700 GHz	0.724 / -106.159	0.595 / -52.916	



cir_pts (0.000 to 51.000)



cir_pts (0.000 to 51.000)