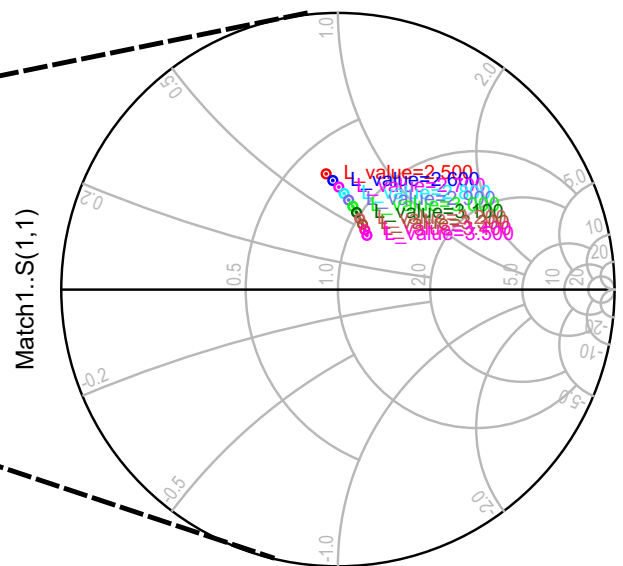
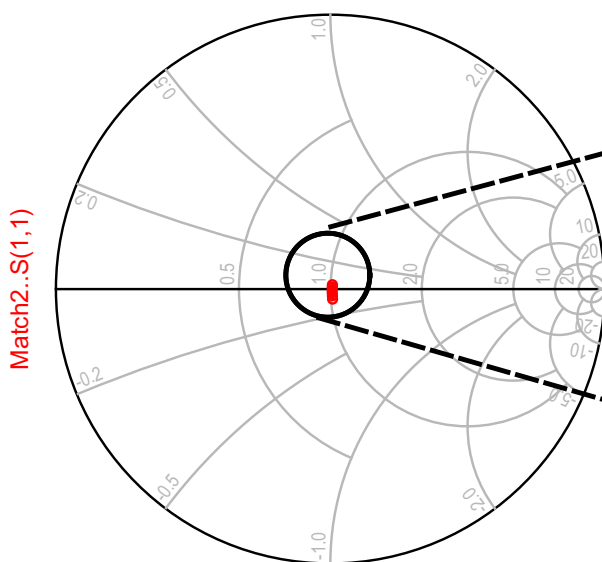


freq (2.000 GHz to 2.000 GHz)

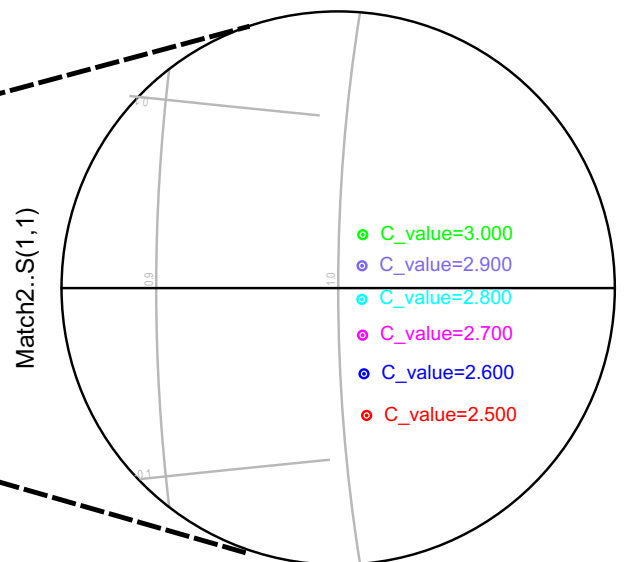


freq (2.000 GHz to 2.000 GHz)

A matching inductor of 3.2 nH results in a 50 Ohm real part. The next step is to calculate the series capacitance needed to compensate the reactive term (see Match2.dsn).



freq (2.000 GHz to 2.000 GHz)



freq (2.000 GHz to 2.000 GHz)

In Match2.dsn, sweeping the series input capacitor shows that the best value for optimum noise is $C=2.8$ pF.