S11, S22 and Sopt (optimum source match needed to achieve minimum noise figure).

m2
freq=2.000 GHz
Sopt=440.0 m / 98.00
impedance = Z0 * (0.613 + j0.662)

m3
freq=2.000 GHz
S(1,1)=0.560 / -128.000
impedance = Z0 * (0.343 - j0.441)

m4
freq=2.000 GHz
S(2,2)=0.700 / -43.000
impedance = Z0 * (1.094 - j2.048)

Sopt
S(2,2)
S(1,1)

freq (1.900 GHz to 2.200 GHz)