Eqn conv_gain = dBm(V_IF[::,1]) - P_RF
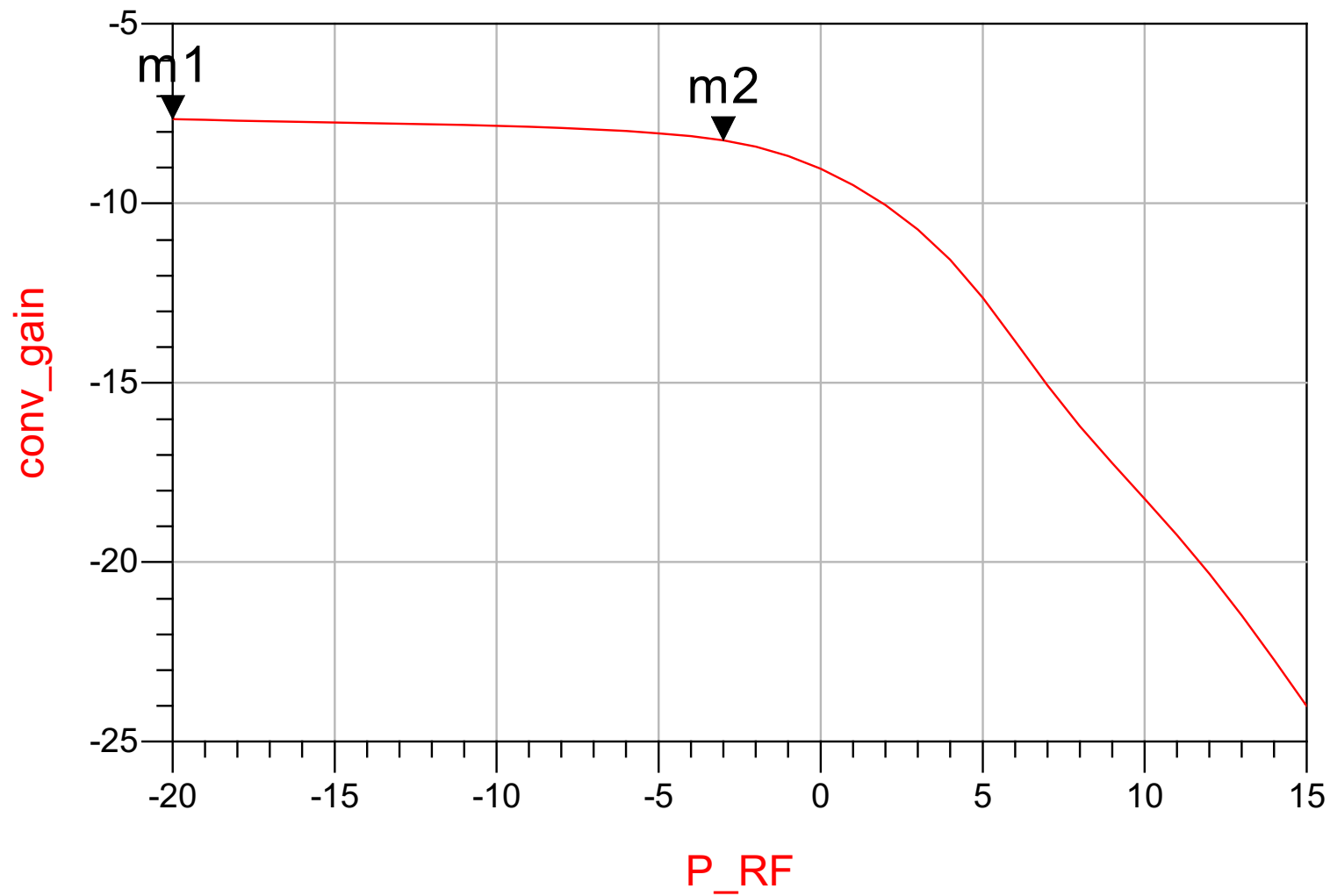
m1
P_RF=-20.000
conv_gain=-7.660

m2
P_RF=-3.000
conv_gain=-8.249