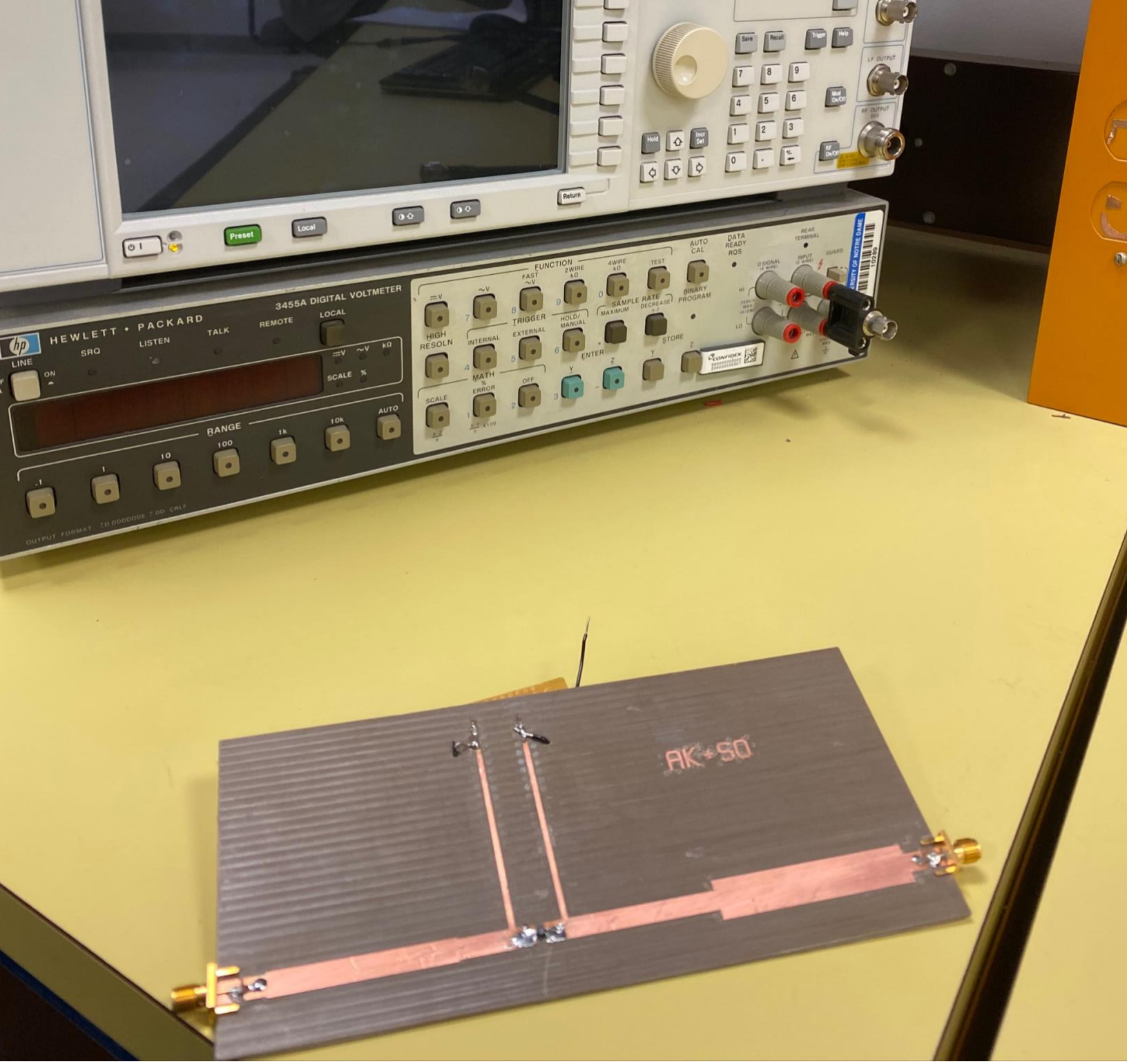
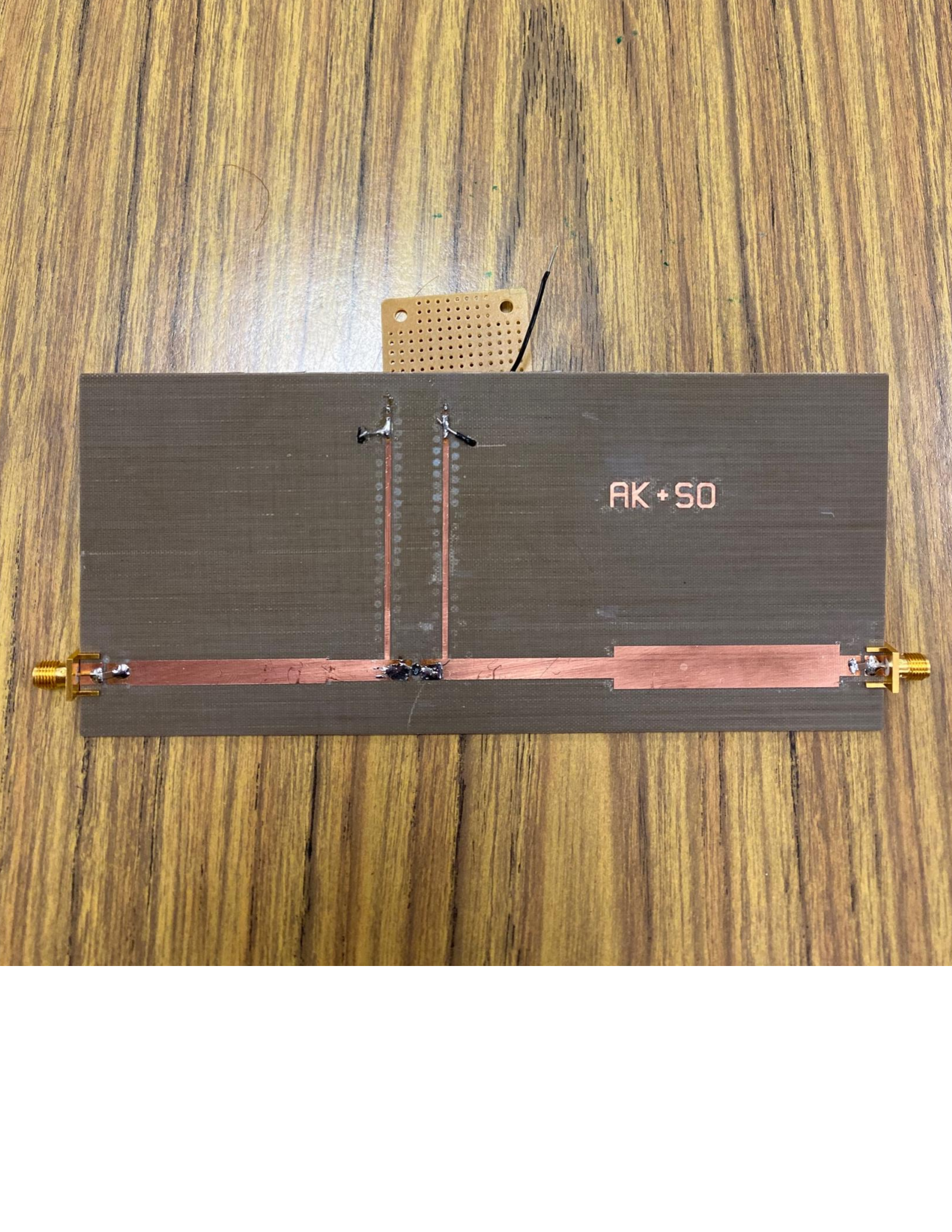

Preset
Local
Return
HEWLETT • PACKARD
3455A DIGITAL VOLTMETER
LINE
SRQ
LISTEN
TALK
REMOTE
LOCAL
RANGE
AUTO
FUNCTION
TRIGGER
HIGH RESOLN
SAMPLE RATE
BINARY PROGRAM
AUTO CAL
DATA READY ROS
REAR TERMINAL
GUARD
AK+SO


AK+SO

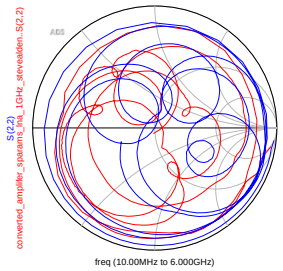
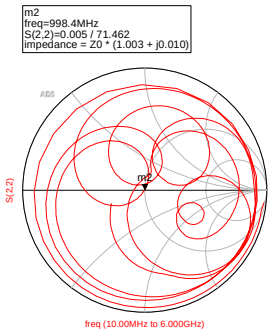
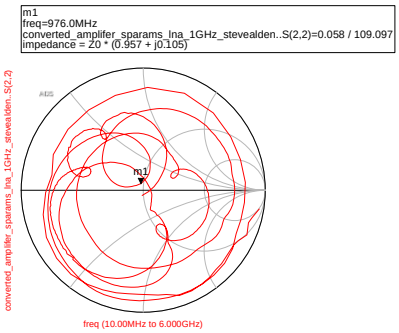
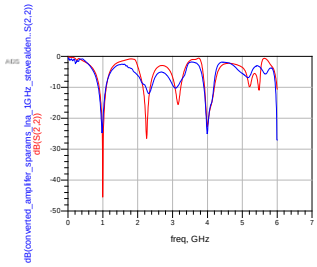
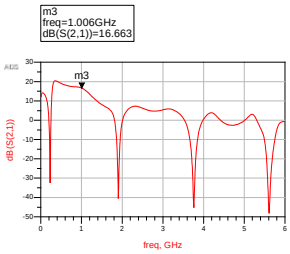


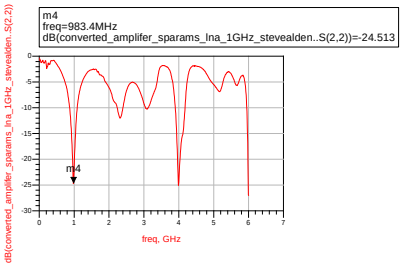
Figure 1. Real Amplifier Characteristics vs. Simulated Amplifier Characteristics

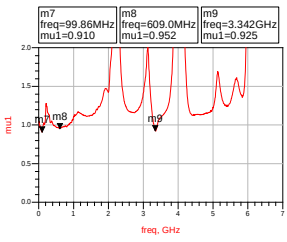


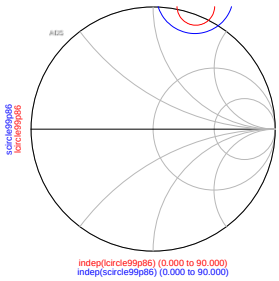




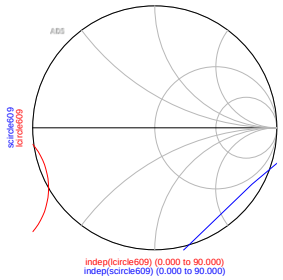


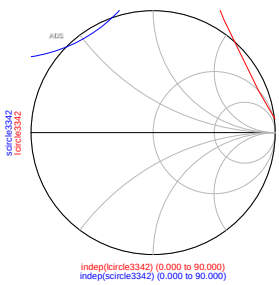







```
Eqn  mu1=mu(converted_amplifer_sparams_lna_1GHz_stevealden..S)

Eqn  n99p86=find_index(freq,99.86e6)
Eqn  n609=find_index(freq,609e6)
Eqn  n3342=find_index(freq,3342e6)

Eqn  scircle99p86=s_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n99p86],90)
Eqn  lcircle99p86=l_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n99p86],90)

Eqn  scircle609=s_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n609],90)
Eqn  lcircle609=l_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n609],90)

Eqn  scircle3342=s_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n3342],90)
Eqn  lcircle3342=l_stab_circle(converted_amplifer_sparams_lna_1GHz_stevealden..S[n3342],90)
```





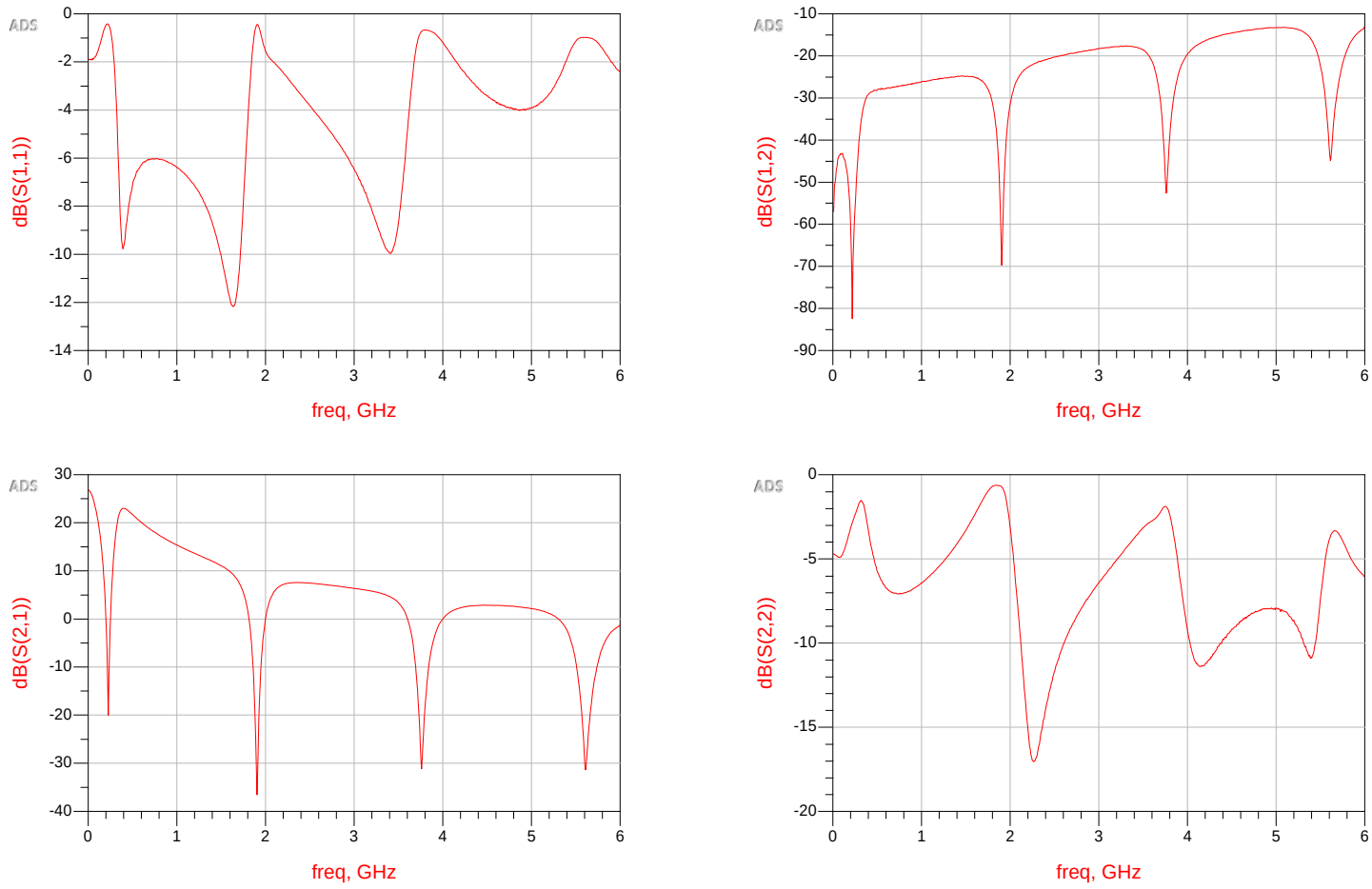


Figure 2. S-Parameters of LNA Simulated in ADS