

Fig. 1. Common-Source Amplifier using the 2N3819 N-channel JFET, schematic from Multisim

Table 1. DC operating point values

Q Point	Value
I_D	3.89 mA
V_{DS}	6.52 V
Node	Voltage (Volts)
V_D	9.17
V_G	1.36
V_S	2.65

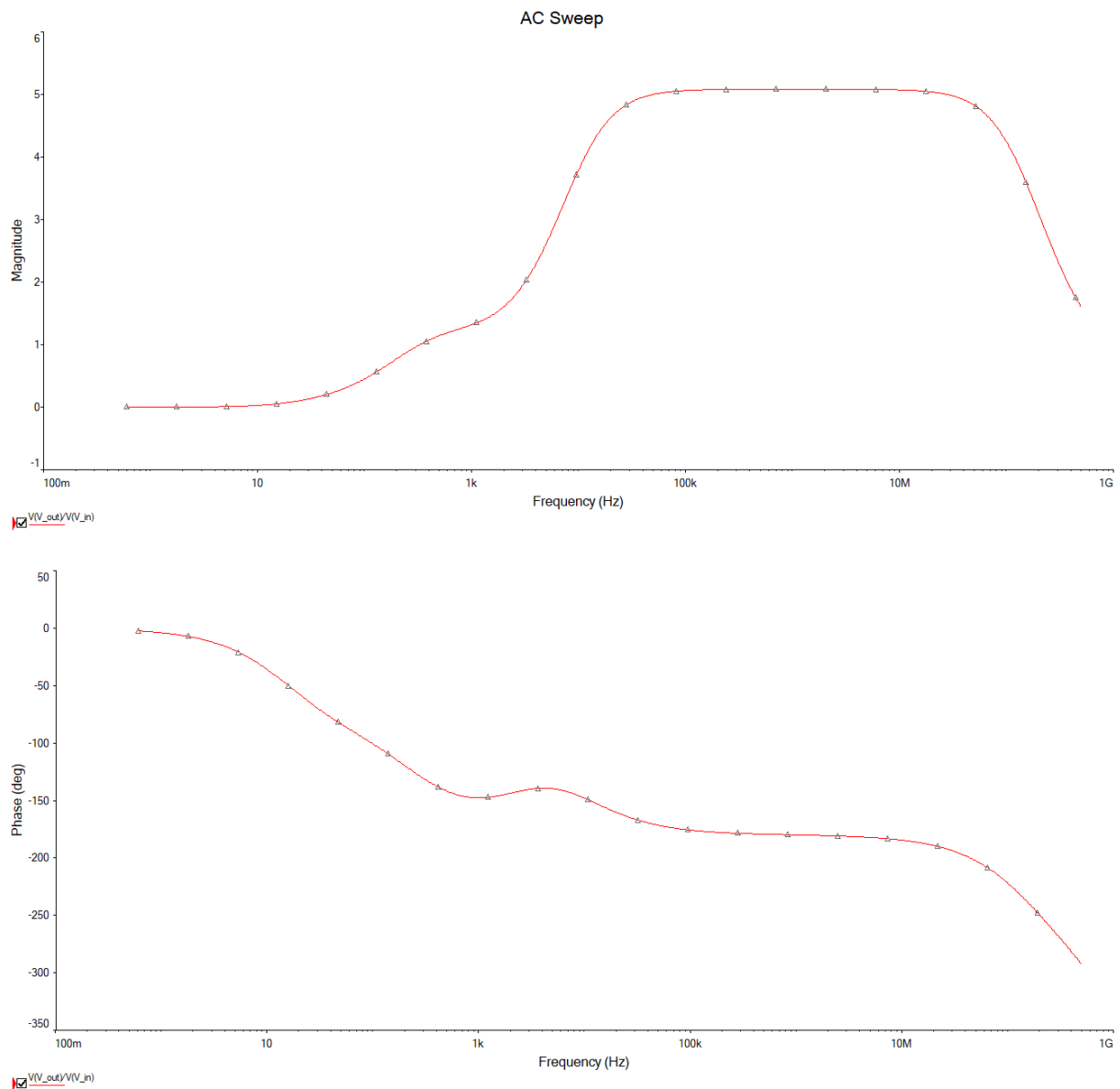


Fig. 2. Bode Plot of Common-Source Amplifier, AC sweep from 0.5Hz, to 500Mhz, Magnitude in V/V

Table 2. AC sweep summary

Parameter	Value
Gain: A_M	5.08 V/V
3dB Lower Cutoff: f_L	8.87 kHz
3dB Upper Cutoff: f_H	153 MHz