**SIMULATION FILE E1**

A screenshot of a computer

Description automatically generated

Circuit schematic by connecting 1M resistor

A picture containing graphical user interface

Description automatically generated

Circuit simulation by connecting 1M Ω resistor

A screenshot of a computer

Description automatically generated

Circuit schematic by connecting 470Ω resistor

Graphical user interface

Description automatically generated

Circuit simulation by connecting 470Ω resistor

A screenshot of a computer

Description automatically generated

Changing VSIN to VAC

Graphical user interface

Description automatically generatedThe frequency response of the circuit