

ELEC-313
Lab 9: Common-Emitter Transistor Amplifier

November 29, 2013

Date Performed: November 20, 2013
Partners: Charles Pittman
Stephen Wilson

1 Objective

The objective is to construct and observe the operation of a common-emitter transistor amplifier.

2 Equipment

| | |
|-------------------------------------------------------------------------|------------------------------|
| Transistor: 2N2222A | Capacitor: 0.1 μ F |
| Resistors: 100 k Ω , 20 k Ω , 1 k Ω , 470 Ω | Power supply: HP E3631A |
| Function generator: HP 33120 | Oscilloscope: Agilent 54622D |
| Multimeters: HP 34401A, Fluke 8010A (x2) | |

3 Schematics

4 Procedure

5 Results

6 Conclusion

7 Equations