**Frequency Response of Drain Current for Dummy Load**

**Components:**

1. AC Source
2. 10V Battery
3. Resistors: 11k, 5.6k, 100R
4. Capacitors: 10nF
5. Op Amp
6. N-Channel MOSFET

**Results and Working:**

The AC source is connected to an Op Amp which is then connected to the Gate of MOSFET. The output of Op Amp turns ON and OFF the MOSFET.

When we increase the AC source frequency the drain current decreases.

The results are shown here: