

Design, conduct and analyze results of experiments to do the following:

1. Select one of two signals to display on an oscilloscope using a switch
2. Select to display one particular signal on either one of the two oscilloscope channels using a switch
3. Measure the ON resistance of an analog multiplexer

General Requirements

1. Experimental procedure including detailed steps for all parts including the analysis of the results must be approved by instructor before conducting experiments.
2. You are free to select any components you prefer for your experiments.
3. You should be prepared to demonstrate your experimental setup and answer questions in all aspects related to your experiment.
4. You should work in the groups of students already formed. One report should be submitted on behalf of the whole group.
5. You may use any resources you find useful to your experiment as long as you acknowledge such use in your report in accordance to ethical guidelines.
6. Please use the EE 370 Lab Report Preparation Guide to properly document your experiment in the report.

- *Assigned:* March 12, 2015
- *Deadline:* TBD
- *Submission:* Paper or Electronic form (PDF) to instructor's email address: ykadah@kau.edu.sa