

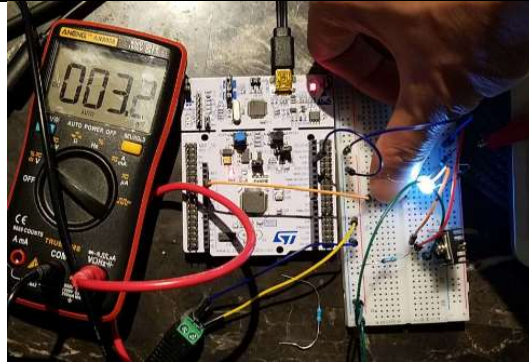


TNC Testing Form (REV1)	
Leaf on the Tree	Voltage Input
Device Under Test (Testing Tree Number):	1.2.5.1
Date:	11/1/20
Person(s) Conducting Experiment:	Kobe Keopraseuth
Signature:	
Experiment Purpose:	The purpose of this experiment is to validate that the MOSFET can operate correctly when inputted 15 V and as low as 5 V.
Experiment Procedure:	Input 5 V and 15 V in series, with a pull-up resistor, into the drain of the MOSFET and see if the voltage from drain to source drops to a very small voltage.
Equipment Settings / Software Settings (w Revision):	Use our microcontroller to input a high signal into the gate and 5V into the drain. Also input 15 V into the drain using an external voltage supply.
Testing Diagram / Picture:	
Data Points:	 5 V input



15 V input

Pass / Fail:	Pass
Interpreted Notes:	The MOSFET was successfully able to drop the input voltages very close to 0 V across the drain and souce.
Recommendations for Modifications:	None