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| 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 |