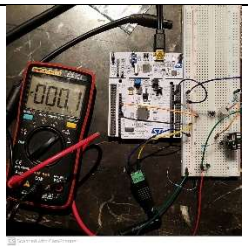
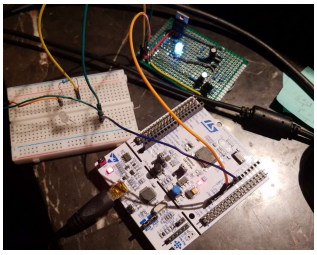
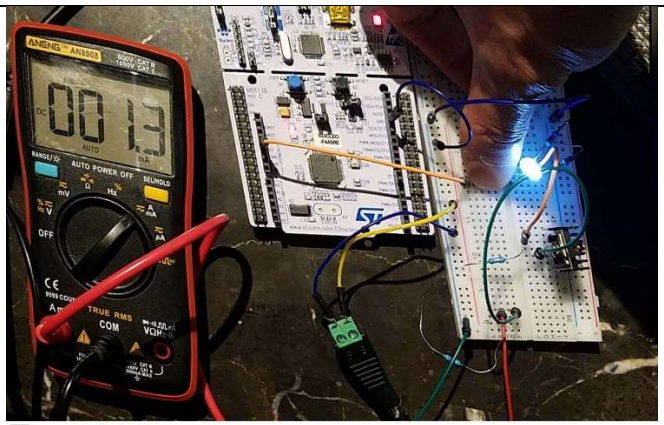
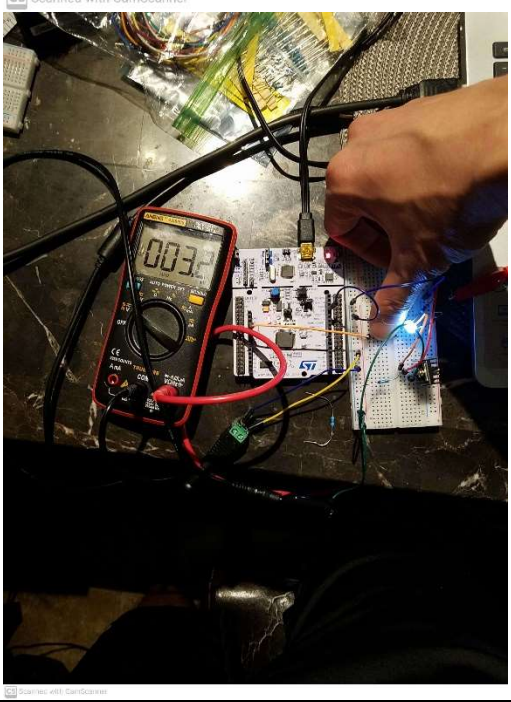
TNC Testing Form (REV1)	
Leaf on the Tree	Power Consumption
Device Under Test (Testing Tree Number):	1.2.3.1
Date:	1/11/20
Person(s) Conducting Experiment:	Kobe Keopraseuth
Signature:	
Experiment Purpose:	The purpose of this experiment was to measure the power consumed by the PTT circuit when turned on. Also, to see how stable the MOSFET's internal temperature is.
Experiment Procedure:	I used the soldered circuit on a perf board with 3.3V supplied to gate from my microcontroller and 15 V DC supply with a 10k ohm pull-up resistor connected to drain. Used a multimeter to measure current and voltage across drain to source.
Equipment Settings / Software Settings (w Revision):	Used a stm32 for the 3.3V DC supply and an external 15 V supply. Used a multimeter to measure current and voltage across drain to source.
Testing Diagram / Picture:	 

Data Points:	 Scanned with CamScanner 
Pass / Fail:	Pass
Interpreted Notes:	The calculated Power consumption was 4.16 uW, which barely consumes any power. After leaving the MOSFET on for some time, it not necessary to measure the temperature considering that the MOSFET really did not heat up.
Recommendations for Modifications:	None