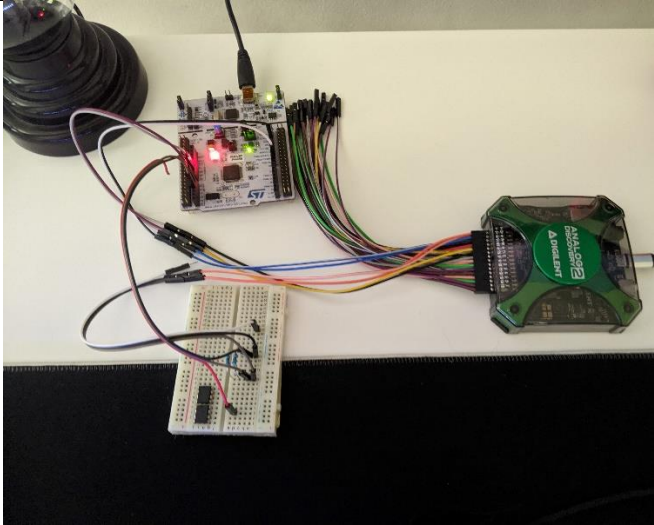


TNC Testing Form (REV1)	
Leaf on the Tree	Amplitude
Device Under Test (Testing Tree Number):	2.3.1.2.2.1
Date:	10/4/2020
Person(s) Conducting Experiment:	David Cain
Signature:	
Experiment Purpose:	The purpose of this experiment is to measure waveform output voltage. Part of our specifications it to be capable of sinking 400mV(ptp) into 1k.
Experiment Procedure:	To verify amplitude, the analog output will be connected to a 1k load and measured. In this case, 2 x 2k resistors will be wired in parallel on a bread board, creating 1k of resistance across the terminals.
Equipment Settings / Software Settings (w Revision):	The Digilent will be set to record the maximum value of the waveform measured. For general insight, the RMS and minimum were also recorded
Testing Diagram / Picture:	
Data Points:	Maximum: 399.19 mV RMS: 137.11 mV Minimum: -1.43 mV
Pass / Fail:	Pass
Interpreted Notes:	The waveform satisfies the 400mV requirement. Potentially some feedback could be used to tune the output during runtime, but this is not necessarily required.
Recommendations for Modifications:	None, currently