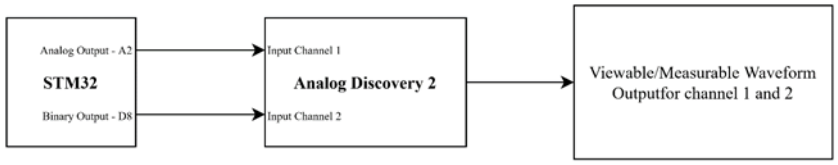
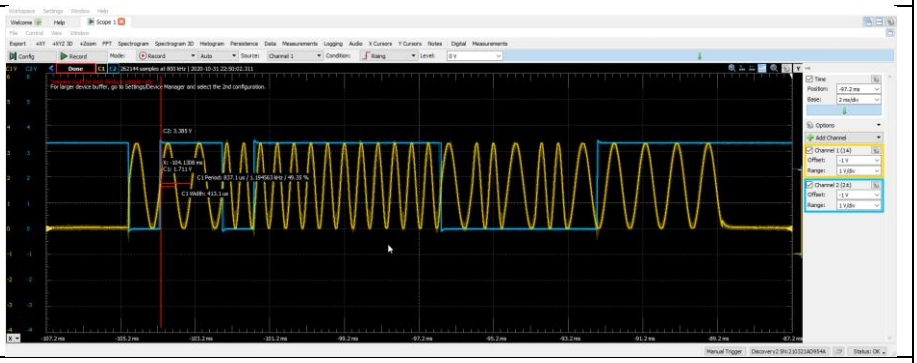
TNC Testing Form (REV1)	
Leaf on the Tree	Bit Transitions
Device Under Test (Testing Tree Number):	2.3.2.1.4
Date:	10/31/2020
Person(s) Conducting Experiment:	David Cain
Signature:	
Experiment Purpose:	The purpose of this experiment is to ensure that the waveforms of our output do not suffer due to bit transitions.
Experiment Procedure:	Force the TNC into a debugging broadcast mode, then use the Digilent discovery 2 to measure the waveform frequency at many points.
Equipment Settings / Software Settings (w Revision):	The Digilent will be set to record the waveform and an optical inspection will be used.
Testing Diagram / Picture:	
Data Points:	
Pass / Fail:	Pass
Interpreted Notes:	The waveform is very continuous. You will notice the change in frequency when the digital value is 0. This is due to the NRZI encoding scheme, but the phase is continuous.
Recommendations for Modifications:	None.