TNC Testing Form (REV1)	
Leaf on the Tree	Bit Transitions
Device Under Test	2.3.2.1.4
(Testing Tree Number):	2.3.2.1.4
Date:	10/31/2020
Person(s) Conducting	David Cain
Experiment:	David Calli
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	The Digilent will be set to record the waveform and an optical inspection
Revision):	will be used.
Testing Diagram /	
Picture:	
	Analog Output - A2 Input Channel 1
	STM32 Analog Discovery 2 Viewable/Measurable Waveform
	Binary Output - D8 Input Channel 2 Outputfor channel 1 and 2
Data Points:	Indicate Virtue Dates (b) Short II No. Core is in Short II Short II No.
	Court of other American Sections (entragemb Indique Persistent District National Courts Nation Opid National Courts National Section (entragemb Indique National Nati
	Fe to par levels film, pile interfuence framps and sect the bid configuration. Positive Positi
	C 3.3811 S C C 3.3811 S C C 3.3811 S C C C C C C C C C C C C C C C C C C
	1
	CHARL CLIAR
5 /5 :1	10 d22m d12m d12m d12m d12m d12m d12m d12m
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	None.
Modifications:	