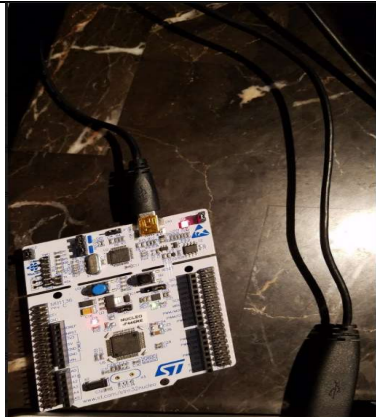


TNC Testing Form (REV1)	
Leaf on the Tree	Data Extraction
Device Under Test (Testing Tree Number):	2.1.3.1
Date:	11/1/20
Person(s) Conducting Experiment:	Kobe Keopraseuth, Kaleb Leon, David Cain
Signature:	
Experiment Purpose:	The purpose of this experiment is to ensure that we were able to extract the received KISS packet over UART and translate that packet into a binary bit stream.
Experiment Procedure:	We will send a packet from our KISS packet generator software and output the binary conversion (done by our microcontroller) through UART which will be displayed on a serial monitor.
Equipment Settings / Software Settings (w Revision):	We will be using Rizwan's given software to generate and send the KISS packet and visual studio's serial monitor to output the data extraction done by our microcontroller.
Testing Diagram / Picture:	 <p>Setup</p> <p>Transmitted Hex: 0xC0,0x00,0x88,0x82,0xAC,0x92,0x88,0x40,0xE2,0x96,0x9E,0x84,0x8A,0x40,0x40,0x65,0x03,0xF0,0x7E,0x7E,0x7E,0x7E,0xC0,</p> <p>input packet</p>

Data Points:	<pre> Start flag = 1 1 0 0 0 0 0 0 Address Field 1 = 1 0 0 0 1 0 0 0 Address Field 2 = 1 0 0 0 0 0 1 0 Address Field 3 = 1 0 1 0 1 1 0 0 Address Field 4 = 1 0 0 1 0 0 1 0 Address Field 5 = 1 0 0 0 1 0 0 0 Address Field 6 = 0 1 0 0 0 0 0 0 Address Field 7 = 1 1 1 0 0 0 1 0 Address Field 8 = 1 0 0 1 0 1 1 0 Address Field 9 = 1 0 0 1 1 1 1 0 Address Field 10 = 1 0 0 0 0 1 0 0 Address Field 11 = 1 0 0 0 1 0 1 0 Address Field 12 = 0 1 0 0 0 0 0 0 Address Field 13 = 0 1 0 0 0 0 0 0 Address Field 14 = 0 1 1 0 0 1 0 1 Control Field = 0 0 0 0 0 0 1 1 PID Field = 1 1 1 1 0 0 0 0 Info Field 1 = 0 1 1 1 1 1 1 0 Info Field 2 = 0 1 1 1 1 1 1 0 Info Field 3 = 0 1 1 1 1 1 1 0 Info Field 4 = 0 1 1 1 1 1 1 0 Stop flag = 1 1 0 0 0 0 0 0 </pre>
Pass / Fail:	Pass
Interpreted Notes:	The binary data being displayed on the serial monitor correctly corresponds to the hexadecimal values sent from Rizwan's software. The second hex value was not displayed, because it is not needed.
Recommendations for Modifications:	None