|  |  |
| --- | --- |
| 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 send the KISS packet and visual studio’s serial terminal to output the data extraction done by our microcontroller. |
| Testing Diagram / Picture: | **Setup**    **input packet** |
| Data Points: | A picture containing text  Description automatically generated |
| 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 |