| TNC Testing Form (REV1) |  |
|-------------------------|--|
| Leaf on the Tree        | Baud   |
| Device Under Test       | 2.3.2.1.3.1  |
| (Testing Tree Number):  |  |
| Date:                   | 10/4/2020  |
| Person(s) Conducting    | David Cain   |
| Experiment:             | David Calli  |
| Signature:              |  |
| Experiment Purpose:     | The purpose of this experiment is to measure and ensure the number of signaling events per second (or baud rate) is correctly established as 1200Hz  |
| Experiment Procedure:   | To verify the baud rate, a diagnostic signal will be enabled in software to  |
|                         | output the current transmission bit value represented in binary. This  |
|                         | binary wave form can easily have baud rate measured.   |
| Equipment Settings /    | Analog Discovery 2 input channel 1 and 2 will be connected to the STM32  |
| Software Settings (w    | output pins D8(PA9) and A2(PA4)  |
| Revision):              |  |
| Testing Diagram /       |  |
| Picture:                | Analog Output - A2  Input Channel 1  Viewable/Measurable Waveform  |
|                         | STM32 Analog Discovery 2 Output - D8 Input Channel 2   |
|                         | max canance 2  |
|                         |  |
| Data Points:            | ₩ WaveForms (lefault) Winispace Settings: Window Help  |
|                         | Welcome   Welp   Willawagen I  |
|                         | Strope   ⊕ Stop   Mode:   ⊙ Repealed   Auto   Source: Channel 2   Conditions:   Filling   Level:   |
|                         |  |
|                         |  |
|                         | 2 C1 000 Ferr & \$500 Ferr & \$4000 MODAFFORMS C1 000 Ferr & \$4500 Ferr & \$4000 MODAFFORMS   |
|                         | V V V V V V V V V V V V V V V V V V V  |
|                         | Range: 11/0hr V  |
|                         | The Add Title  |
|                         | 22 - 3.77 va   |
|                         |  |
|                         | 1. V T. 13562 - 3.3156 - 4.5166 - 4.515 |
| Pass / Fail:            | Pass This section is the section of  |
| Interpreted Notes:      | Waveform is sustaining a baud rate of 1200Hz. This was tested with multiple wave forms but easily viewed with alternating bit pattern.   |
| Recommendations for     | None   |
| Modifications:          | Notie  |
|                         |  |