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| TNC Testing Form (REV1) | |
| Leaf on the Tree | Amplifier |
| Device Under Test (Testing Tree Number): | 1.3.1.1 |
| Date: | 10/15/2020 |
| Person(s) Conducting Experiment: | David Cain,  Kobe Keopraseuth |
| Signature: |  |
| Experiment Purpose: | The purpose of this experiment is to ensure the amplifier output can trigger the external interrupt on the STM32 for reading incoming AFSK waveform frequency components. |
| Experiment Procedure: | Using waveform generator from Analog Discovery 2,  input a 50mV ptp AFSK waveform to amplifier circuit,  checking readings reported by microcontroller on serial port. |
| Equipment Settings / Software Settings (w Revision): | Micro controller is set to receiving mode  Using WaveForms software(version 3.12.2), output generated AFSK signal |
| Testing Diagram / Picture: |  |
| Data Points: |  |
| Pass / Fail: | Fail |
| Interpreted Notes: | Frequency output remains zero due to gain not being high enough to trigger interrupt. |
| Recommendations for Modifications: | Modify amplifier circuit to increase gain. |