Lab 2 Test Plan

Feature: As a user, I should be able to decode an audio frequency-shift keyed packet at 1200 baud presented by the Bell 202 standard with NRZI encoding.

- **Scenario 1**: Hardware and software can determine the local frequency of a message.
    1) A train of 1200Hz and 2200Hz tones are sent across the system.
    2) The system should reply back that the frequency is 1200Hz and then change when the frequency becomes 2200Hz.
- **Scenario 2:** Application decodes and displays HDLC packets that have been sent with NRZI signaling with Bell 202 tones.
    1) Device should decode all HDLC packets received.
    2) Application should display all packets received.
    3) Application should display the decoded HDLC packets.
    4) Application should indicate the status of the frame check sequence. Errors are indicated by a trailing *.
- **Scenario 3:** Application decodes and displays the payload of AFSK packets.
    1) The .wav files provided should be sent to the device.
    2) The device will decode the files into digital bits.
    3) The device will send the decoded files back to the computer to be displayed.