DuraFon UHF Programming Instructions

Items Needed

- Cable: USB 2.0 A-Male to Micro B.
- Programming Software:
  - Must be version 1.06 or higher.
  - Download it here: https://www.dropbox.com/sh/tjjr96p44hy6j3m/AAC_0BbLGdL5mQ-oAsWLGOFfa?dl=0
  - Handset Firmware:
  - Must be v1.03 or higher!
  - To check firmware, press Menu, star, star, pound, (00 for base), then 1 (SW VER). HS-MCU: 1.03 or higher.
  - If firmware is older, upgrade the handset by downloading this program and file: https://www.dropbox.com/sh/kqn0agv4bgkwk3z/AAA-YwGv2WjypfDivEM0-mKfa?dl=0

Upgrading the DuraFon-UHF Handset Firmware

Required to bring to version 1.03 or later

Upgrading the DuraFon UHF Firmware

- Step 1 – Connect USB cable from the DuraFon-UHF handset to the PC and turn on handset.

Upgrading the DuraFon-UHF Firmware

- Step 2 – Start the Firmware upgrade program (use version 1.02 or higher).
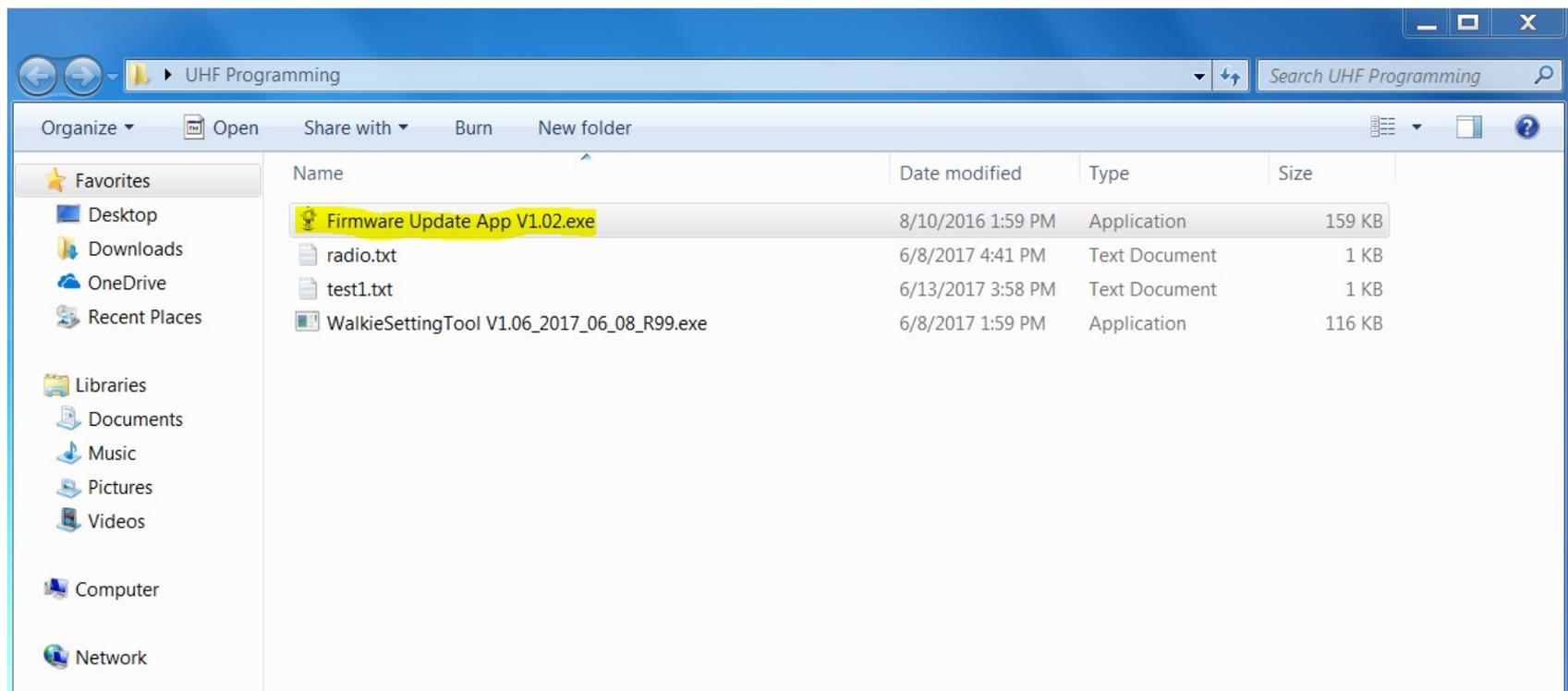
Upgrading the DuraFon-UHF Firmware

- Step 3 – Click "Open" to select the firmware file (.hxf file)
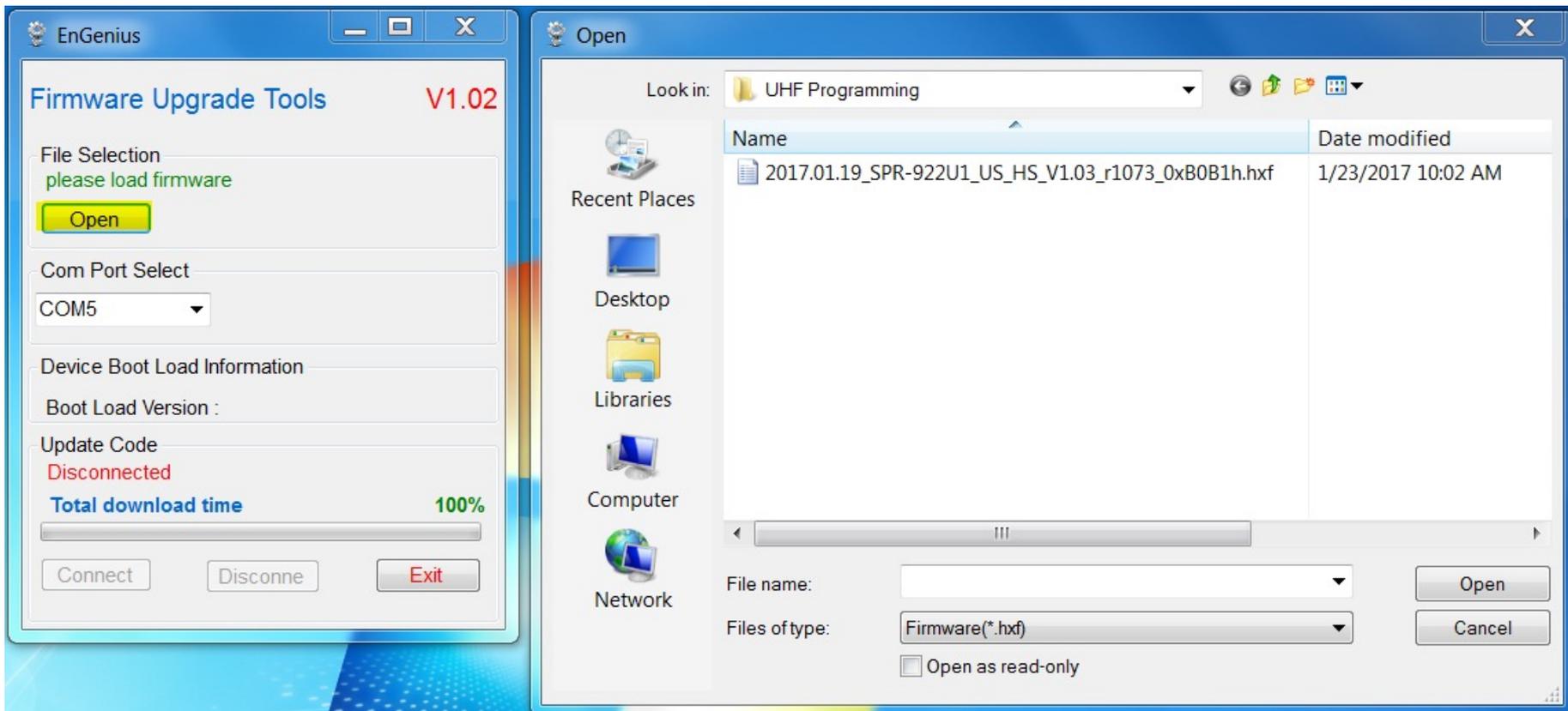
Upgrading the DuraFon-UHF Firmware

- Step 4 – Click "Connect" and the "Waiting Device Boot" will appear. Now using the volume knob on the radio, turn the radio off and back on.
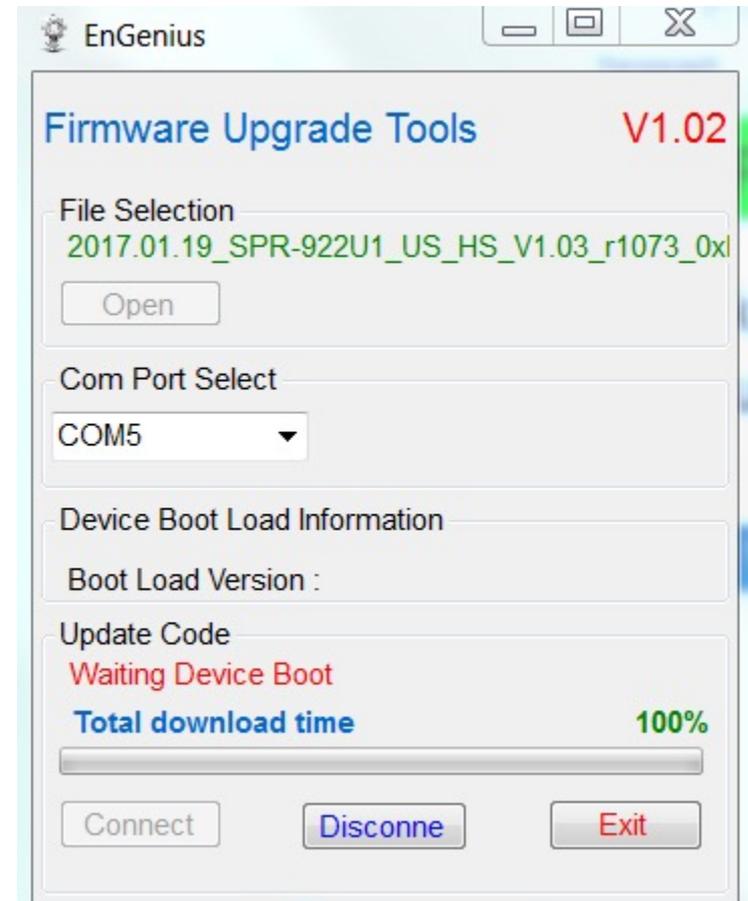
Upgrading the DuraFon-UHF Firmware

- Step 5 – Using the volume knob on the handset, turn the handset off and back on. The firmware upgrade process should start.
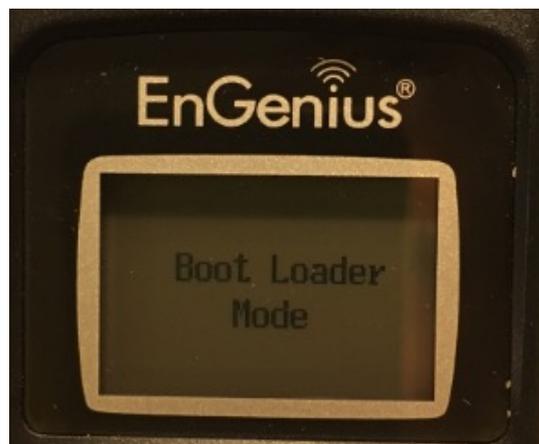
Upgrading the DuraFon-UHF Firmware

- When complete, the handset will automatically restart and go back to the normal screen.
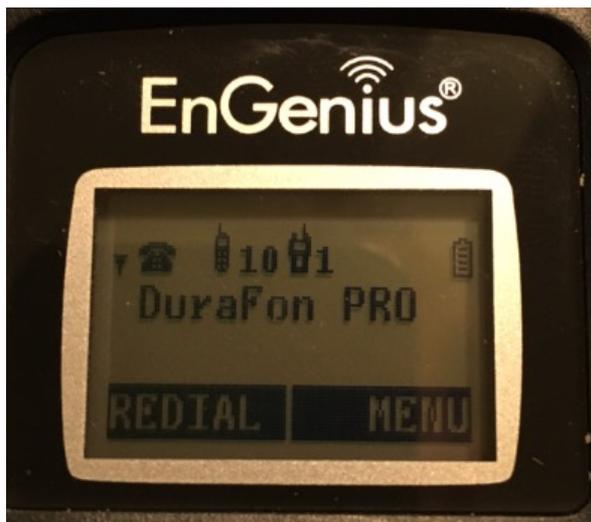
Upgrading the DuraFon-UHF Firmware

- When complete, the handset will automatically restart and go back to the normal screen.
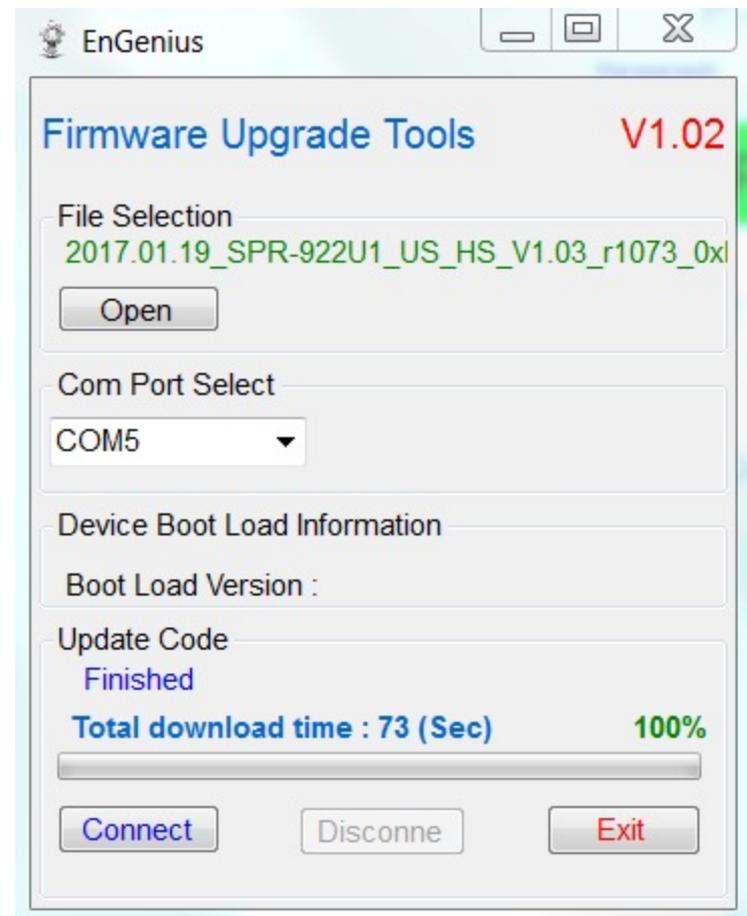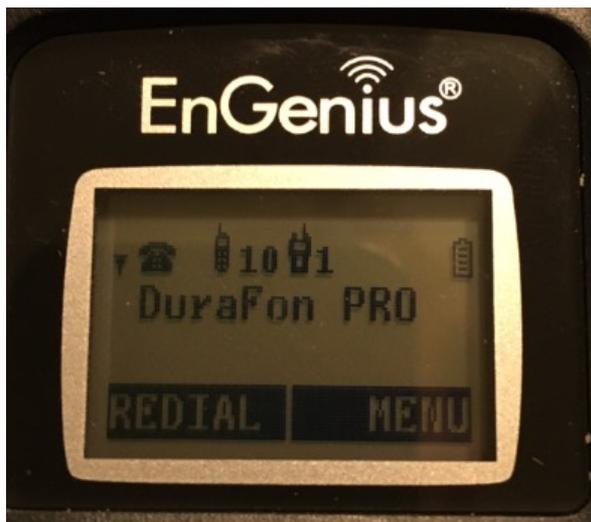
Programming Custom Frequencies in the DuraFon-UHF Handset

Programming Custom UHF Frequencies

- Step 1 – Connect USB cable from the DuraFon-UHF handset to the PC and turn on handset.

Programming Custom UHF Frequencies

- Step 2 – Start the Programming Tool program (v 1.06 or higher)
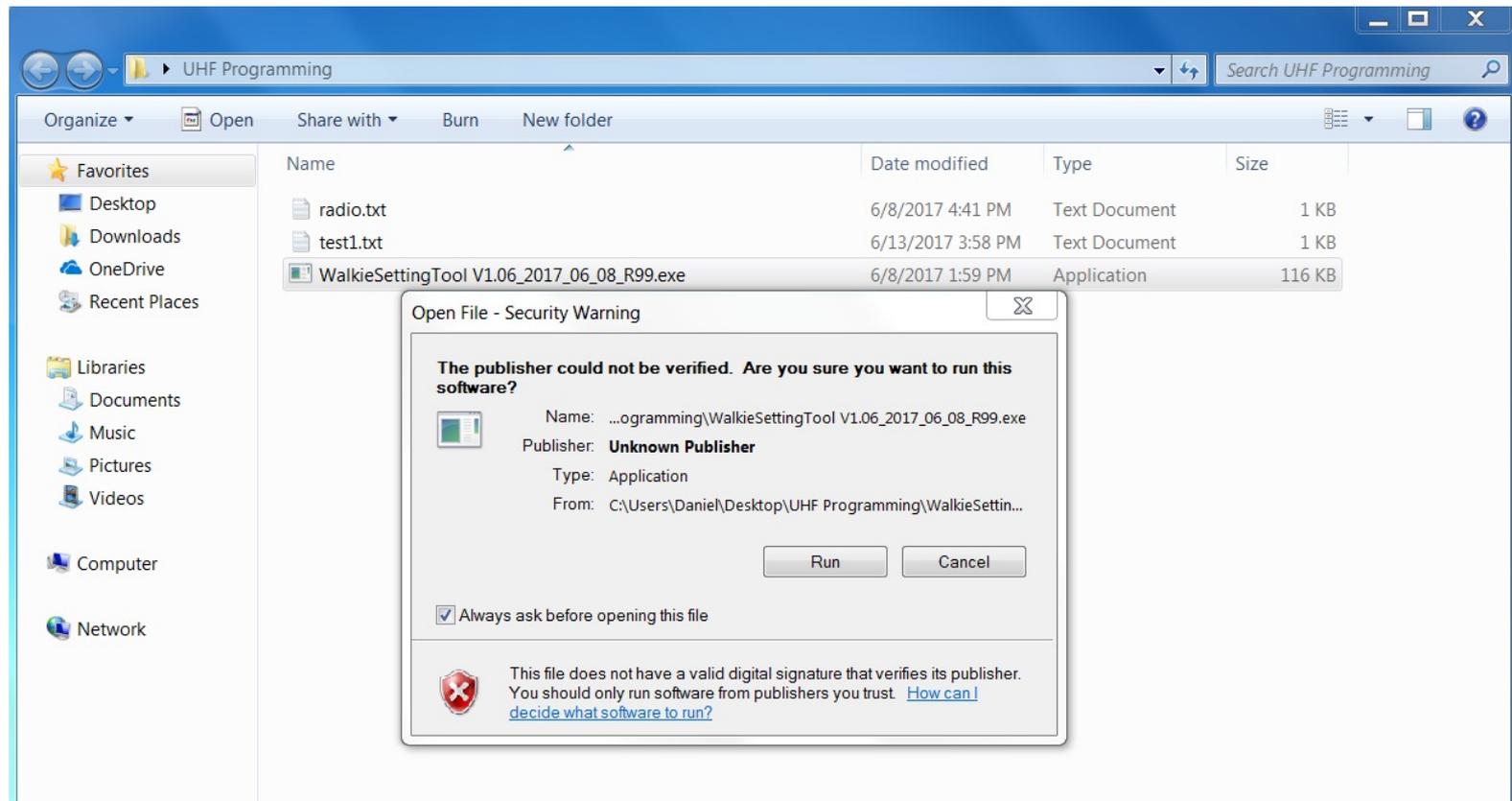
Programming Custom UHF Frequencies

- Step 3 – In "Basic Setting" Select COM Port and Click "Connect"
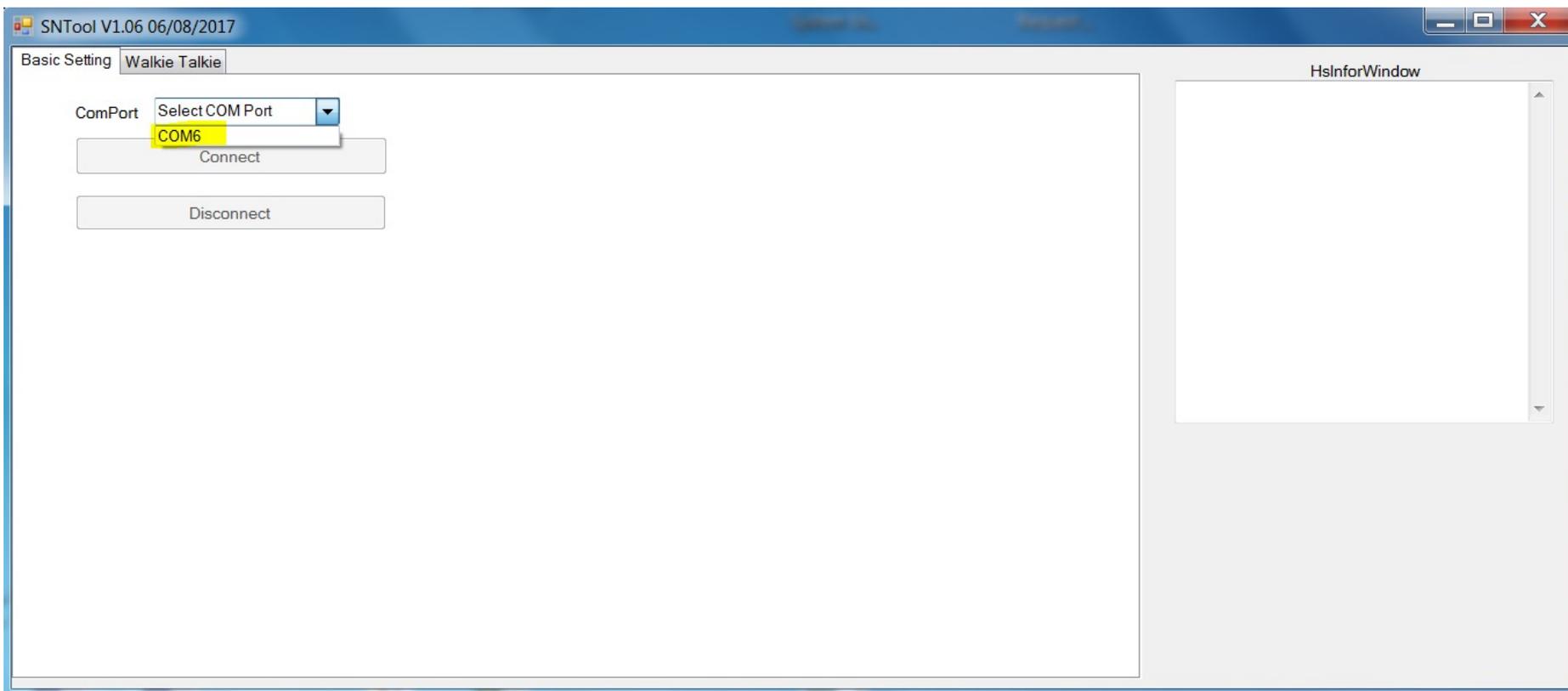
Programming Custom UHF Frequencies

- Step 4 – After Clicking "Connect" data should start showing on the right, denoting successful communication between handset and PC.
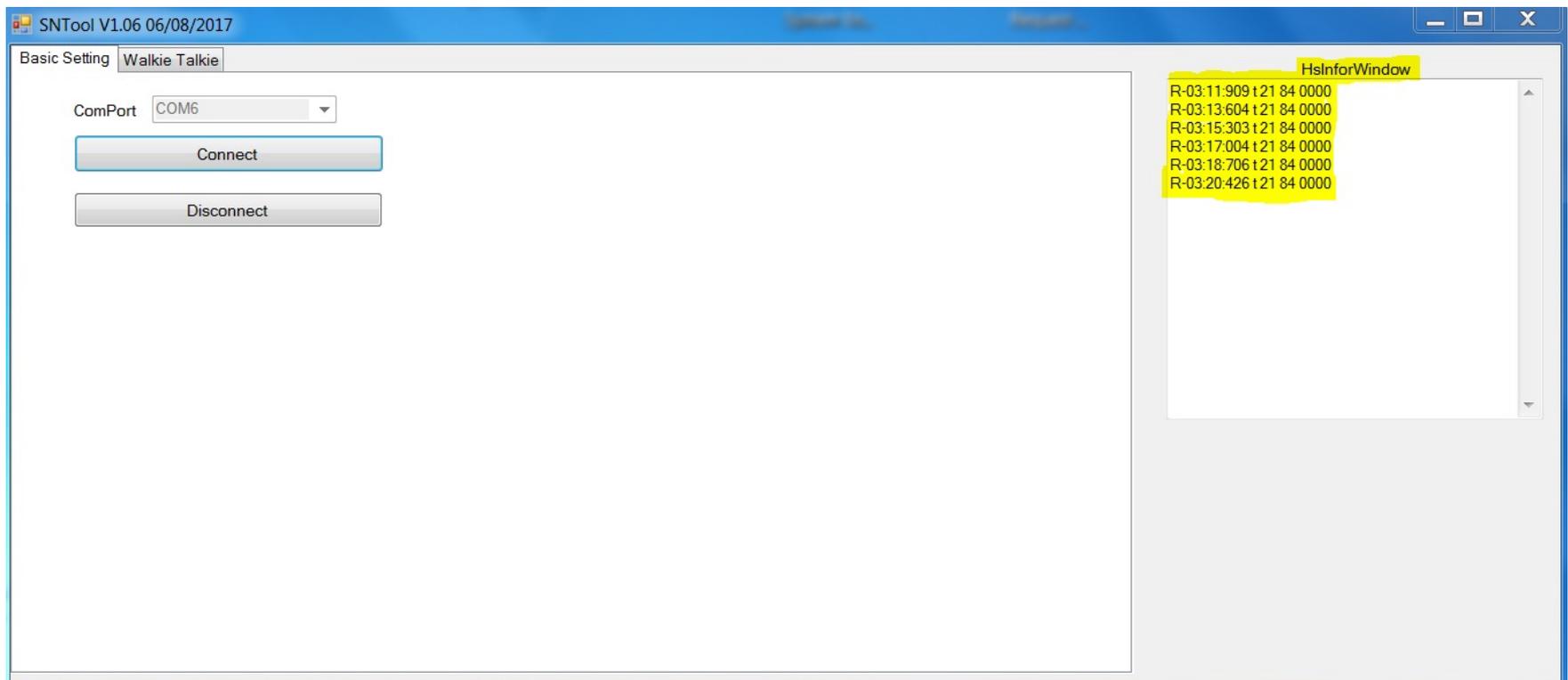
Programming Custom UHF Frequencies

- Step 5 – Click "Walkie Talkie" and then Select "Customize"
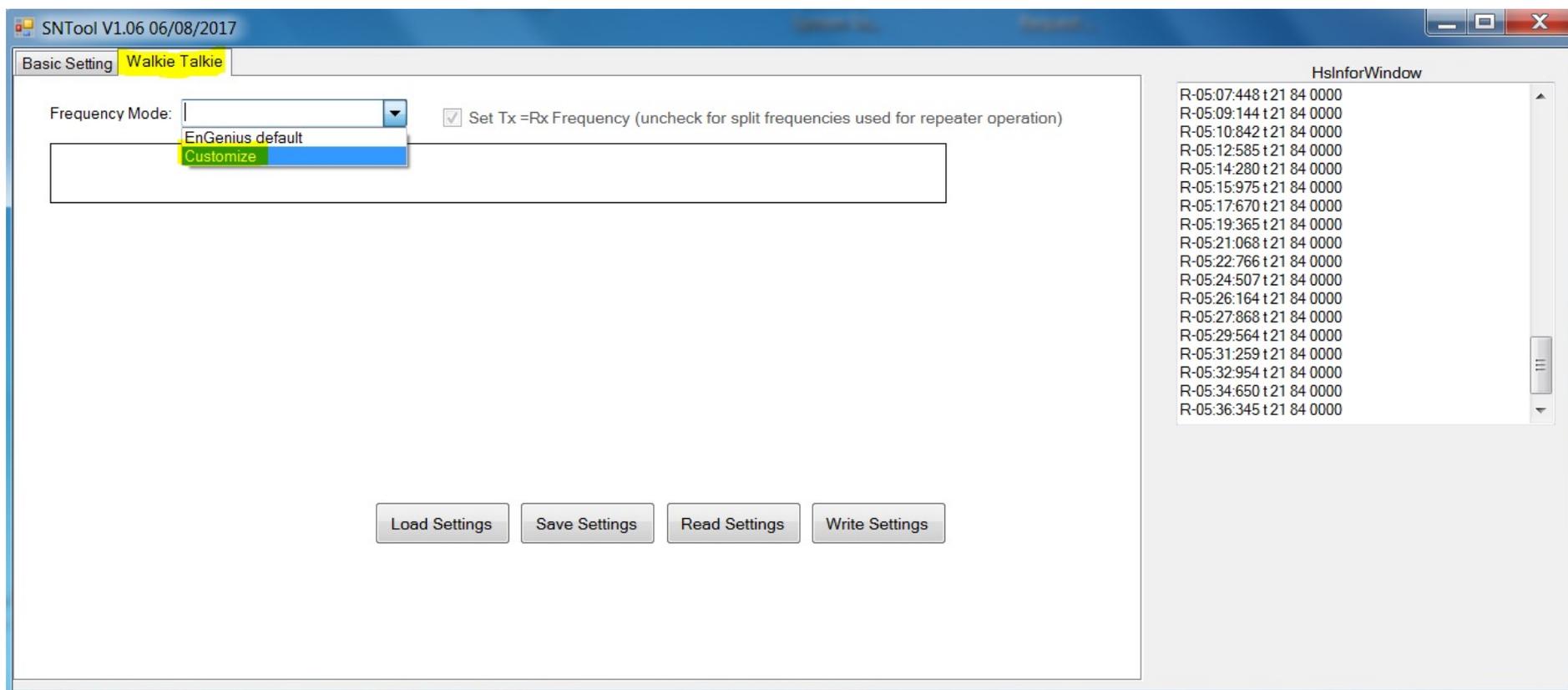
Programming Custom UHF Frequencies

- Step 6 – Build the frequency table by entering in all possible frequencies you want to use in the highlighted section.
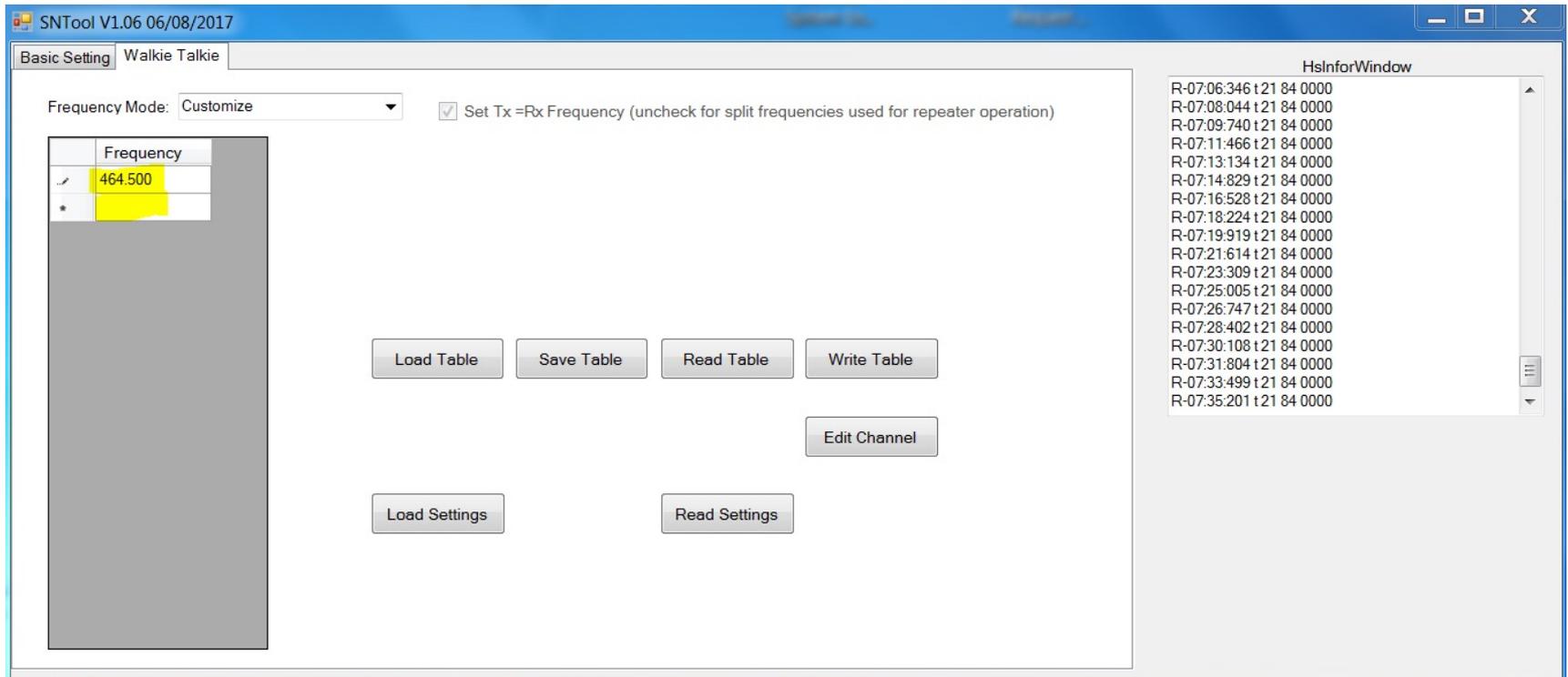
Programming Custom UHF Frequencies

- Step 7 – Now with all frequencies entered, click "Edit Channel"
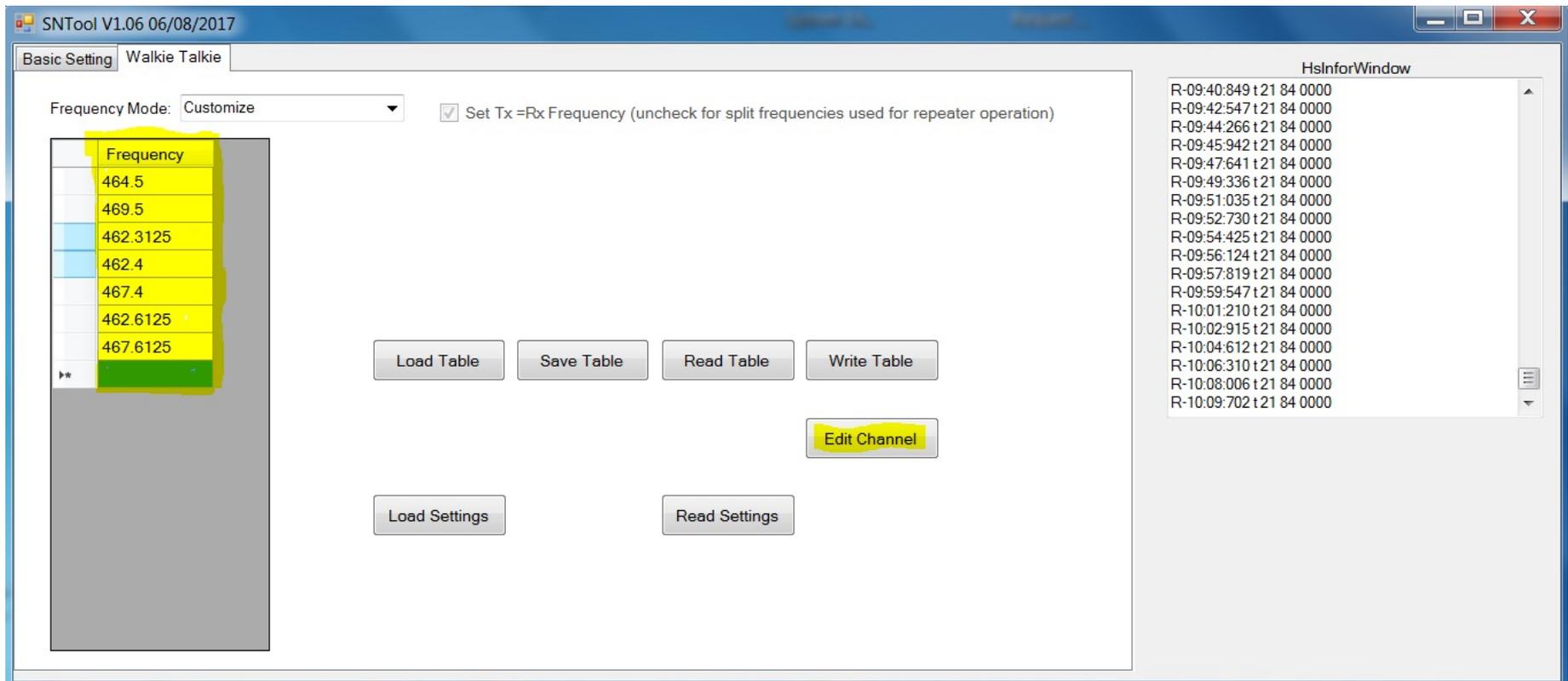
Programming Custom UHF Frequencies

- Step 8 - Now program the 5 channels w/the available frequencies previously entered. Select "Disable" if not all channels are used.

Programming Custom UHF Frequencies

- Step 9 – If you need split frequencies for repeater operation, uncheck the "Set Tx=Rx Frequency" box.

Programming Custom UHF Frequencies

- Step 10 – Set the privacy code type for the channels.

Programming Custom UHF Frequencies

- Step 11 – Set the CTCSS (PL) tone or CDCSS (DCS) tone desired for the channels.

Programming Custom UHF Frequencies

- Step 12 – If the radio is on a channel with scan enabled, it will scan between all channels. If the radio is set to a channel that has scanning off, it will not scan (i.e. stays on that channel) o

Programming Custom UHF Frequencies

- Step 13 – Use the "Read Settings" button to pull existing programming configuration from any DuraFon-UHF handset.

Programming Custom UHF Frequencies

- Step 14a – Once all info is entered you can "Save Settings" as a .txt file that you can refer to at a later time.

Programming Custom UHF Frequencies

- Step 14b – To use a saved file, click "Load Settings" and click the .txt file you want to use.
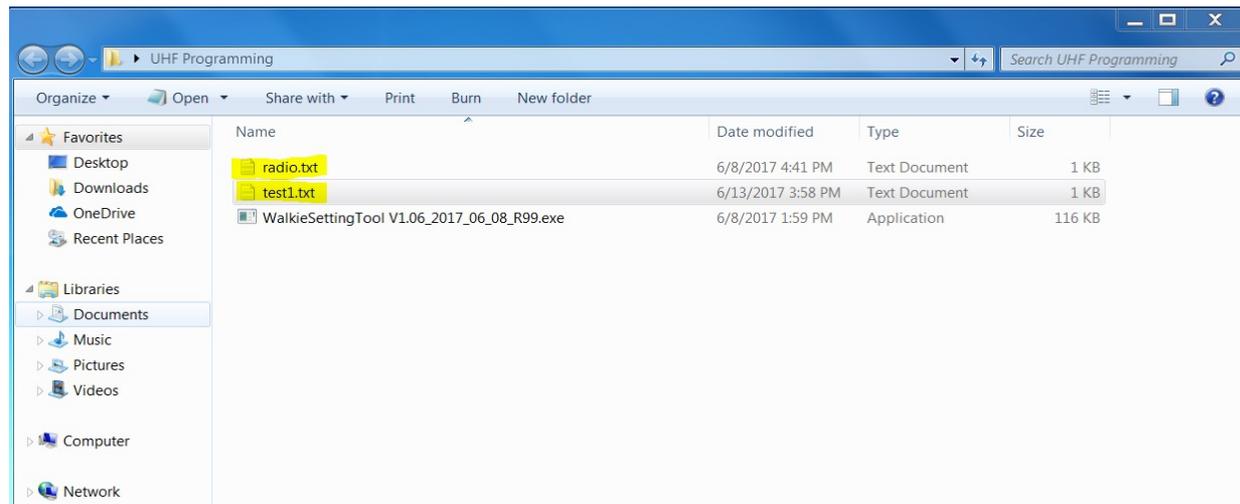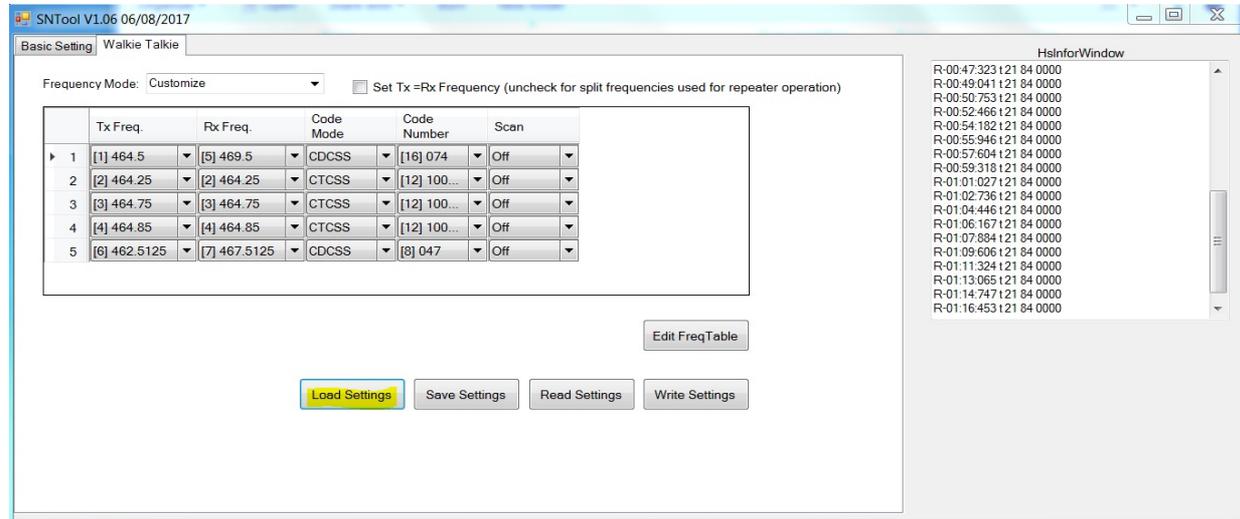
Programming Custom UHF Frequencies

- Step 15 – Send the configuration to the radio. When done setting parameters for all channels, click "Write Settings". The "Set Finished!!" prompt will come up when complete. Click "OK". The radio will then power cycle.
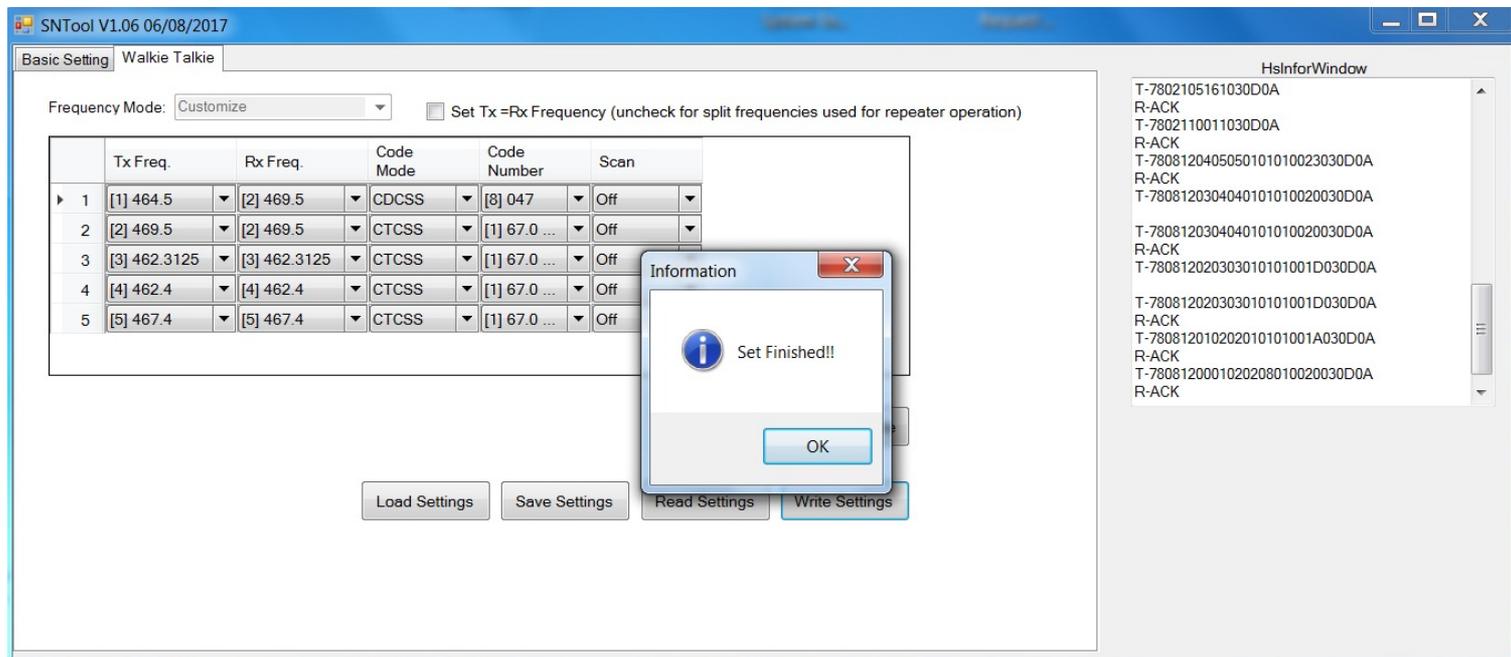
Programming Custom UHF Frequencies

- Step 16 – Power cycle the handset to make changes active by using the volume knob to turn off and on the handset. Programming is now complete.

Programming Custom UHF Frequencies

- Final Notes
  - It is recommended that you verify with either another radio or testing tool to confirm the settings you entered in the radio are correct.
  - For further support call 714-432-8668 or email support@engeniustech.com

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