AFE707xEVM Quick Guide

High Speed Data Converters

AFE707xEVM + TSW1400EVM

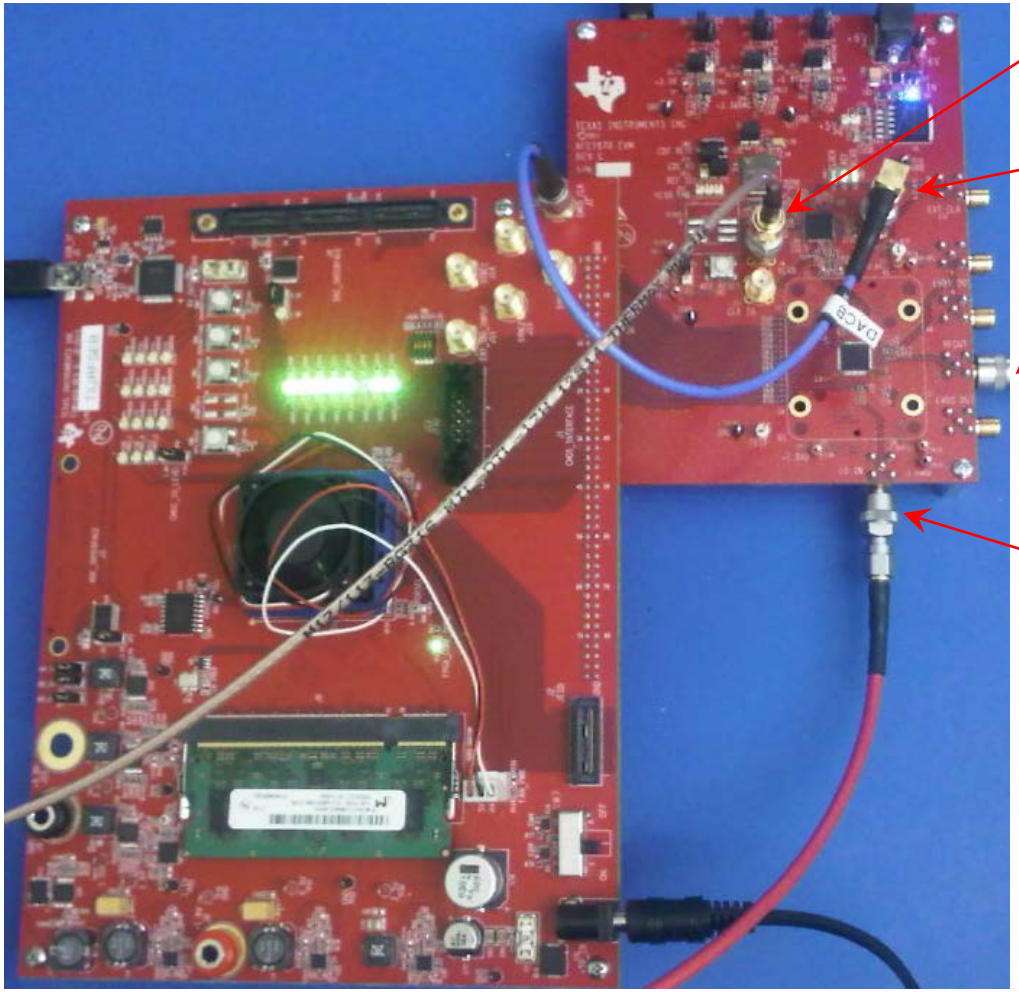
- Equipment: 2 Signal Generator

  (One for external VCXO J4 and the other for external LO J10) and Spectrum Analyzer

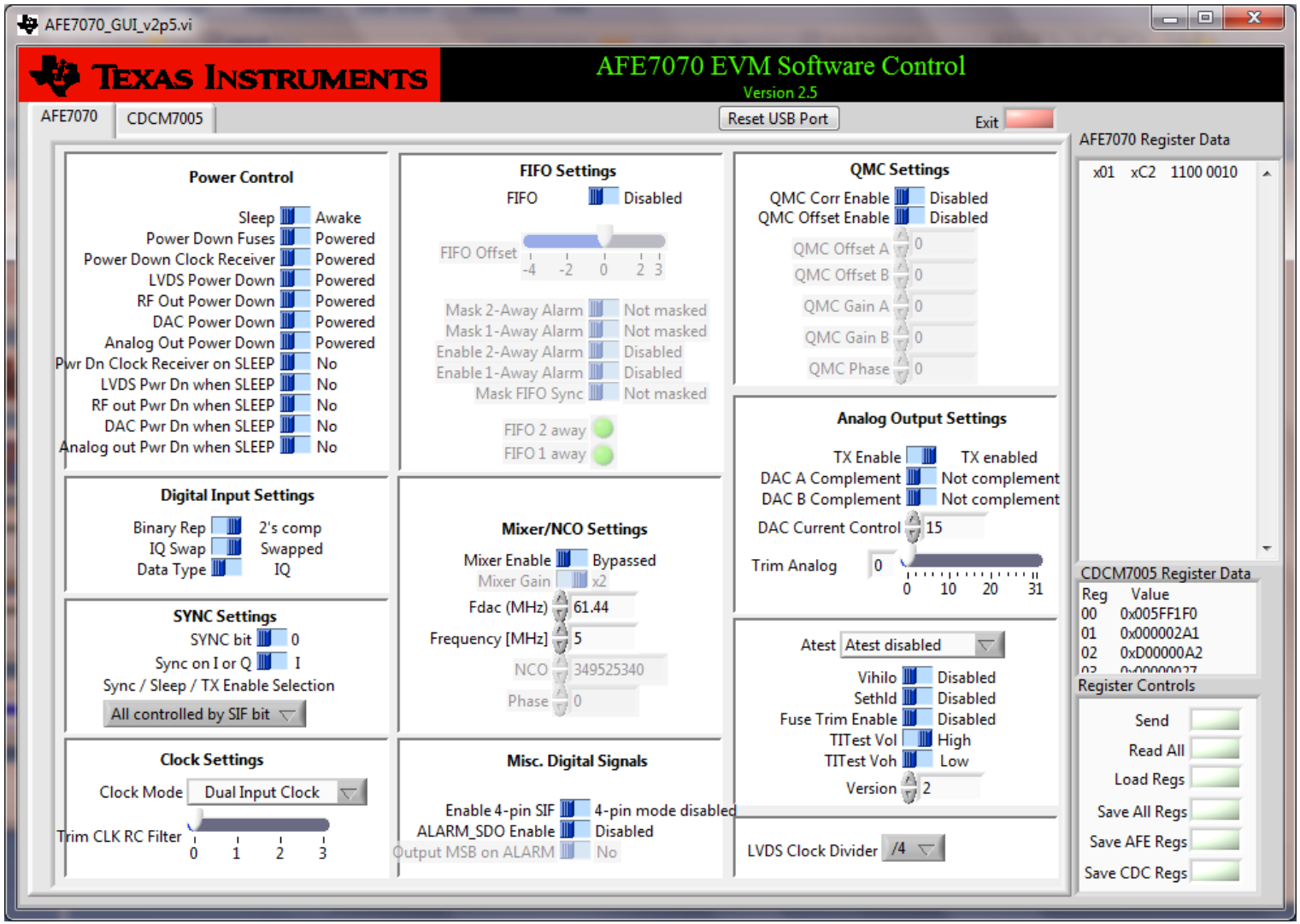
- EXT VCXO (J4): AFE7070 DAC clock source (122.88MHz which give AFE707x 61.44MHz of sampling clock)
- LO IN (J10): External LO source (950MHz)
- Power: +6V Plug-in Power Supply
- Test Signal: Single-tone (10MHz) from TSW1400

- *Connect USB cable to AFE707xEVM and configure AFE707x*
- *And then connect USB cable to TSW1400EVM*

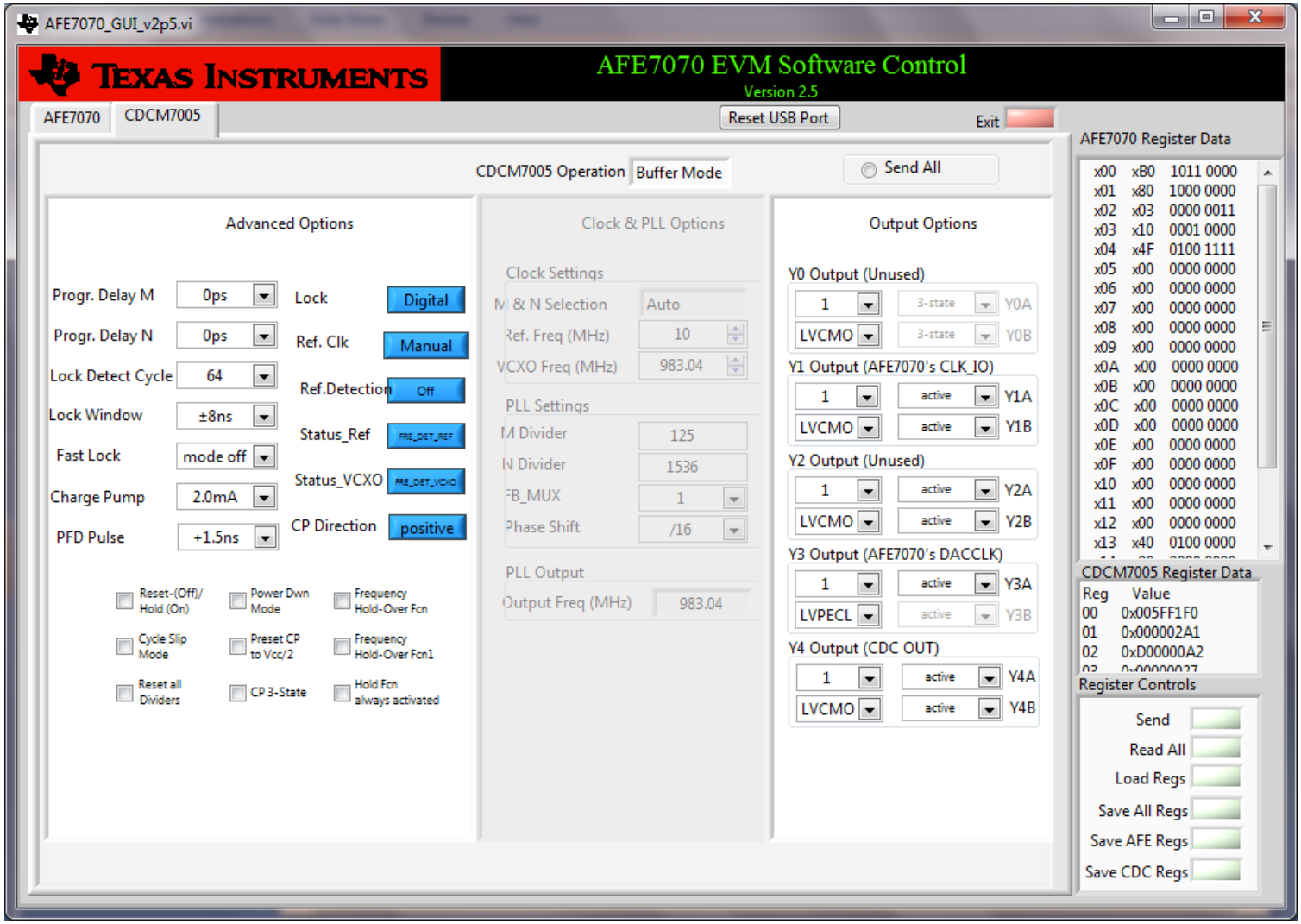
AFE707x + TSW1400EVM Configuration



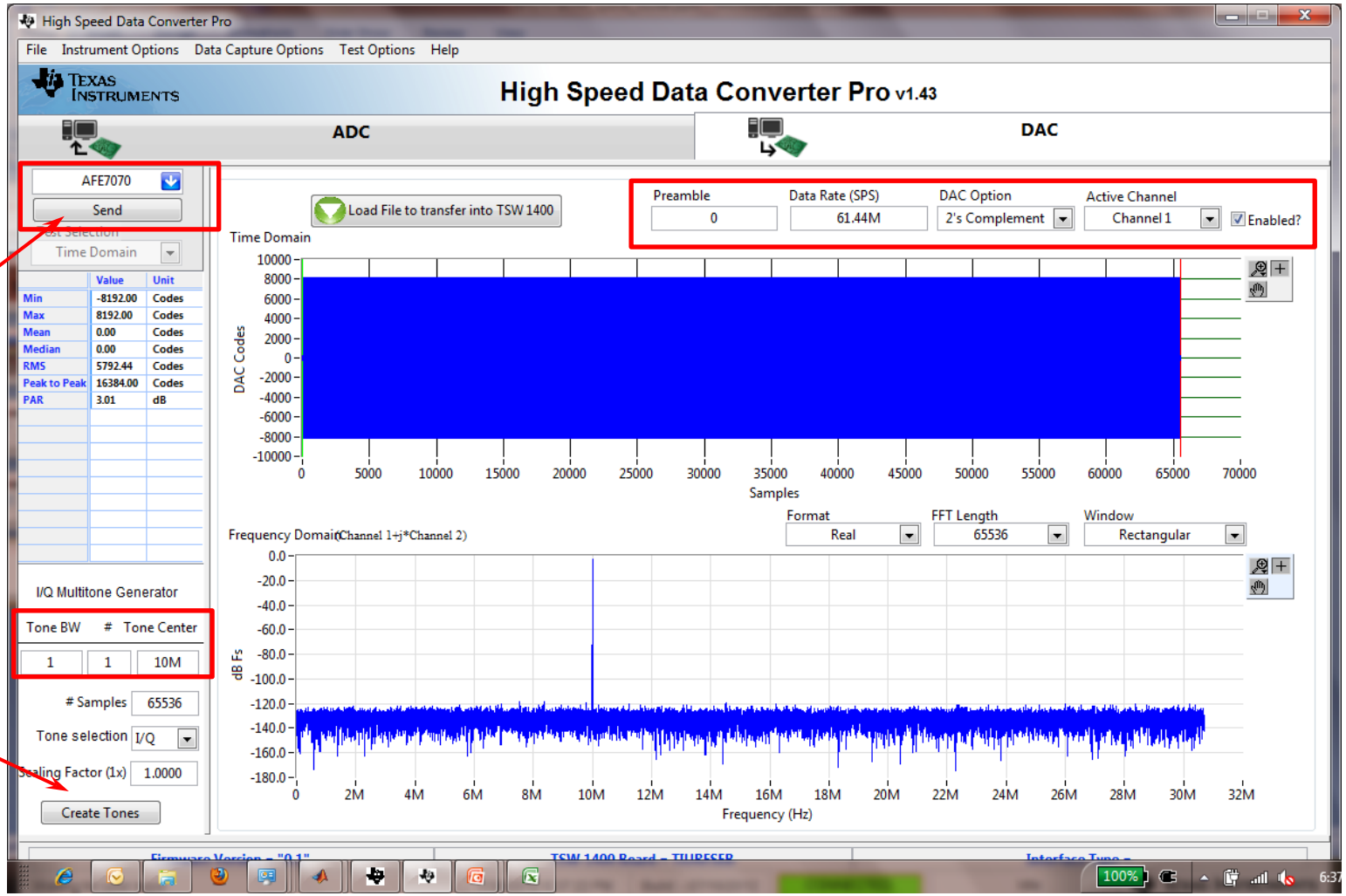
AFE707xEVM GUI capture (AFE707x)



AFE707xEVM GUI capture (CDCM7005)



TSW1400 GUI capture (10MHz tone)



Transmit

Generate Tone

Spectrum Analyzer Screen