1. To check for proper SYSREF timing, run the DAC in NCO only mode and synchronize the NCO blocks to SYSREF. If SYSREF is present, the NCO will be unstable.

Program the NCO frequency and the NCO data rate. Program the following registers:

Set Config2 to 0x2052

Set Config31 to 0x3120

Set Config47 to 5

Issue a SIF SYNC by writing the following:

Set Config31to 0x3320

Set Config31 to 0x3322

Set Config31 to 0x3320

There should now be a solid output at the NCO frequency.

Set Config 31 to 0x3320

Set the LMK to send continuous SYSREF pulses. The output should now be many pulses as the NCO will constantly reset.