

EVALCN0568ARDxZ Reference Designs

Product Overview

12/20/2023

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Analog Devices Inc. EVALCN0568ARDxZ Reference Designs evaluate the performance of quadband VCOs with the ADF41513 PLL synthesizer. These evaluation boards operate at 8.3GHz to 26GHz frequency range, are compatible with Arduino form factor, and have an onboard reference clock for ease of use.



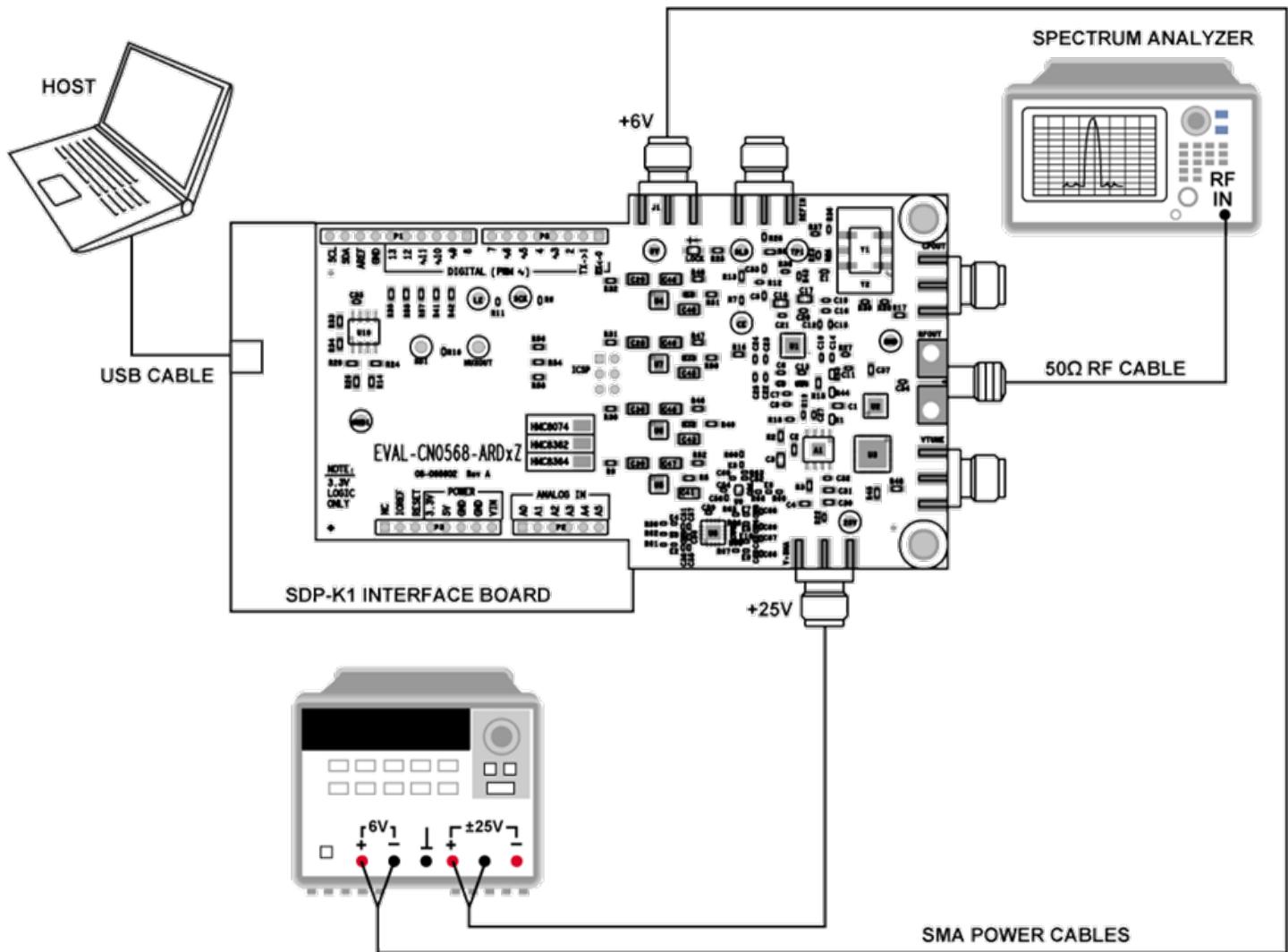
Features

- 8GHz to 26GHz frequency operation range:
 - 8.3GHz to 15.1GHz PLL and Quadband VCO (EVAL-CN0568-ARD1Z)
 - 11.9GHz to 18.3GHz PLL and Quadband VCO (EVAL-CN0568-ARD2Z)
 - 18.1GHz to 24GHz PLL and Quadband VCO (EVAL-CN0568-ARD3Z)
- Quadband VCO provides low-phase noise over wideband
- Onboard reference clock for ease of use
- Arduino form factor compatible

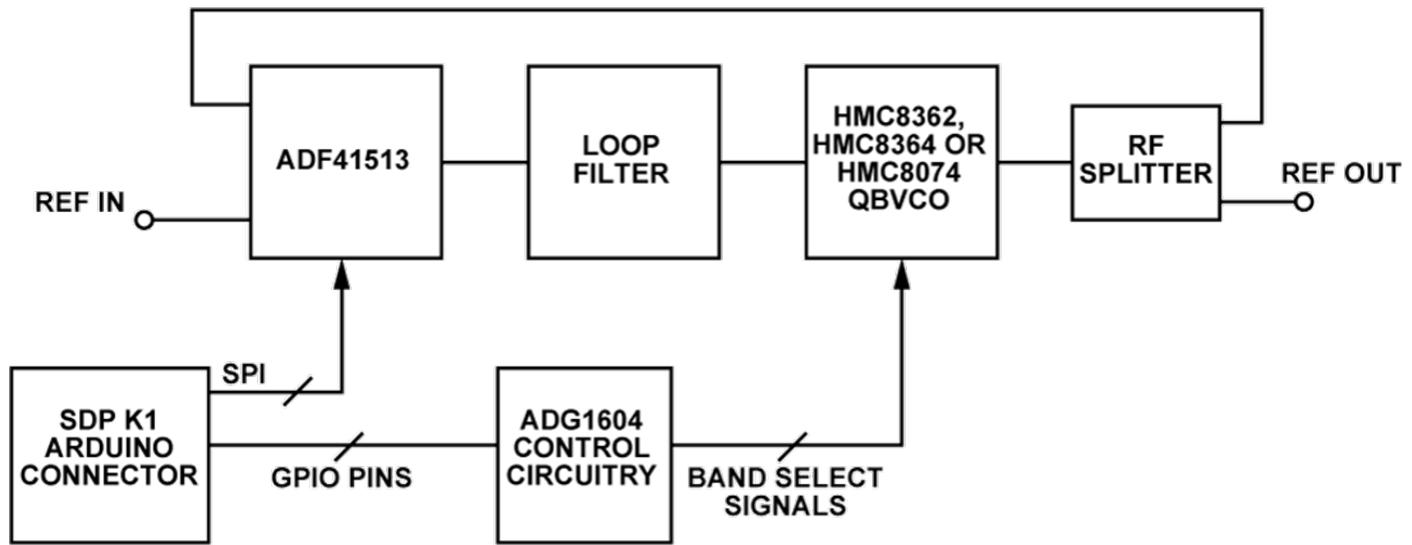
Required Equipments for Evaluation Setup

- Spectrum analyzer
- 1 x 50Ω and RF/Microwave cable with 2.92mm connectors
- 2 x BNC to SMA adapter
- 2 x Dual banana plug to BNC socket
- 2 x 50Ω SMA DC cable

Evaluation Setup



Block Diagram



Mouser Part Numbers

[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-evalcn0568ardxz-reference-designs/>