FRINGE GENERATOR

- Fringe Tracking and Phase Switching in Transition Period.
- Frequency offset for WIDAR.
HARDWARE

- Analog Devices AD9852.
- 48 bit Phase Accumulator.
- 48 bit Frequency Accumulator.
- 48 bit Delta Frequency Register.
- 32 bit Update Clock Divider.
- 14 bit Phase Adjust.
EXAMPLE PERFORMANCE

• 256 MHz Clock.
• Initial Phase Accuracy: 3.8E–4 rad.
• Phase Resolution: 2.2E–14 rad.
• Frequency Resolution: 9.1E–7 Hz.
• Tuning Range: DC–85MHz.