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## July/August 2011

# **About the Cover**

Craig Johnson, AAØZZ, uses a Silicon Labs Si570 DSPLL programmable phase-locked loop synthesizer IC and custom software to build a local oscillator that produces a stable 10 to 157 MHz output signal. The oscillator can provide the local oscillator signals for quadrature sampling detector receivers and quadrature sampling encoder transmitters on the 80 through 10 meter amateur bands.



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Programmable PLL (Si570) Local Oscillator for HF **Receivers, Transmitters and Transceivers** 

Craig Johnson, AAØZZ

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