


[DOWNLOAD](#)


# Design of Frequency Synthesizers for Wireless Applications

By Ari Valero-Lopez

VDM Verlag Dr. Müller E.K. Nov 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x13 mm. Neuware - This book presents the basic theory and design methodology of frequency synthesizers targeted for short-range wireless applications. Three different examples of synthesizers expose the reader to several aspects of the design where advanced circuit solutions are used to improve the performance of the presented circuits. A frequency synthesizer, part of a dual-mode receiver capable of processing signals of the Bluetooth and Wireless LAN (IEEE 802.11b) standards, is implemented in BiCMOS technology. Featured in the synthesizer is a phase switching prescaler. A large capacitance is also integrated on-chip using a capacitance multiplier circuit that provides a drastic area reduction while adding a negligible phase noise contribution. The book is completed with a quadrature calibration circuit that uses an algorithm to continuously maintain phase accuracy at the output. This book presents the basic theory and design methodology of frequency synthesizers targeted for short-range wireless applications. Three different examples of synthesizers expose the reader to several aspects of the design where advanced circuit solutions are used to improve the performance of the presented circuits. A frequency synthesizer, part of a dual-mode receiver capable of processing signals of...



**READ ONLINE**  
[ 4.71 MB ]

## Reviews

*An exceptional publication as well as the font employed was exciting to see. it was actually writtern extremely flawlessly and helpful. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Dominic Collins**

*This ebook could be worthy of a read through, and far better than other. I am quite late in start reading this one, but better then never. I realized this publication from my dad and i advised this publication to learn.*

-- **Stefan Von**