High-frequency Oscillator Design For Integrated Transceivers

DOWNLOAD HERE

"Preface. Glossary. Abbreviations. - 1: Introduction. 1.1. History. 1.2. Application examples. 1.3. Literature on oscillators. 1.4. The oscillator designer. 1.5. Scope. - 2: Oscillators. 2.1. The ideal oscillator. 2.2. The non-ideal oscillator. 2.3. Classification. 2.4. Oscillation conditions. 2.5. Amplitude stabilization and settling time. 2.6. Summary. - 3: Structured design with FOMs. 3.1. Analog circuit design. 3.2. Structured and automated design methods. 3.3. FOM-based structured design. 3.4. Modeling framework. 3.5. Summary. - 4: Specifications. 4.1. Nominal specifications versus design specifications. 4.2. Frequency and tuning range. 4.3. Phase noise to carrier ratio. 4.4. Jitter. 4.5. Waveform. 4.6. Carrier amplitude and power. 4.7. Phase and amplitude matching. 4.8. Power dissipation and supply voltage. 4.9. Supply pushing. 4.10. Voltage, temperature and process variation. 4.11. Technology and chip era. 4.12. Summary. - 5: Elementary properties. 5.1. Frequency and phase. 5.2. Tuning. 5.3. Waveform. 5.4. Carrier amplitude and power. 5.5. Summary. - 6: Practical properties. 6.1. Frequency and phase. 6.2. Tuning. 6.3. L(fm): linear time-invariant modeling. 6.4. L(fm): linear time-variant" EAN/ISBN: 9780306487163 Publisher(s): Springer Netherlands, Springer US Discussed keywords: Oszillator Format: ePub/PDF Author(s): Tang, Johan - Kasperkovitz, Dieter - Roermund, Arthur H. M. van

DOWNLOAD HERE

Similar manuals: