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Sommario/riassunto	Phase lock loop frequency synthesis finds uses in a myriad of wireless applications - from local oscillators for receivers and transmitters to high performance RF test equipment. As the security and reliability of mobile communication transmissions have gained importance, PLL and frequency synthesisers have become increasingly topical subjects.Phase Lock Loops & Frequency Synthesis examines the various components

that make up the phase lock loop design, including oscillators (crystal, voltage controlled), dividers and phase detectors. Interaction amongst the various components are also dis