

Abstracts

An Overview of Frequency Synthesizers for Radars

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This paper presents an overview of frequency synthesizer techniques suitable for radar systems. Included are the requirements which have a direct impact on the selection of synthesizer architectures and the choice of synthesizer components. Both direct and indirect architectures are presented, along with advantages, disadvantages, and representative examples. A brief discussion of analytical procedures is followed by a survey of key synthesizer components and future trends.

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