Abstracts

Real-Time Fourier Analysis of Spread Spectrum Signals Using Surface-Wave-Implemented Chirp-Z Transformation (Short Papers)

G.R. Nudd and O.W. Otto. "Real-Time Fourier Analysis of Spread Spectrum Signals Using Surface-Wave-Implemented Chirp-Z Transformation (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.1 (Jan. 1976 [T-MTT]): 54-56.

In many communication and radar applications it is desirable to determine the spectral content of signals in real time. A technique employing dispersive surface acoustic wave devices to implement the chirp-Z transform is described. The experimental results obtained for a number of commonly used signals, including the maximal-length pseudonoise sequences, are shown, and the agreement with theoretical prediction is discussed.

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