

Abstract

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The MVDR guided parallel multi-stage constant modulus algorithm for the recovery of co-channel signals using linear and planar array

The parallel multi-stage constant modulus CM array is an adaptive beamforming technique that can recover all cochannel signals without using a reference signal. In this paper, MVDR beamforming is used to guide the initial weights of the multi-stage CM array in order to select the desired signal for each stage.