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Spectrum sensing of OFDM signals in frequency domain using histogram based ratio test

Tytuł

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Abstract: The paper introduces an OFDM signal detector based on cyclic

correlation function. The detector belongs to the class of blind SCD detectors. The paper presents the main relations connected with the idea of cyclostationarity and cyclostationary features of OFDM signals. Results of simulations are presented as well.

Keywords: hybrid detectors architecture, cyclostationary feature detection, cyclic autocorrelation function, OFDM

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