

Performance Evaluation of Hybrid Relay Selection in Cooperative Communication System

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Abstract – Energy detectors, feature detectors, and cooperative sensing are just a few examples. During each sensing period, one or more secondary users (SUs) execute sensing on a single and the same channel in these schemes. This method of multiple SUs detecting a single channel at the same time may severely limit sensing efficiency. This paper presents a cooperative spectrum sensing system based on relays. MATLAB 2014a is used to simulate the suggested study. The impact of signal to noise ratio, chance of detection, and throughput on the suggested algorithm has been assessed.

Keywords –AF, Cognitive Radio, DF, Spectrum Sensing.

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