عنوان مقاله:

Joint Power and Subcarrier Allocation in OFDMABased Cooperative Cognitive Networks

محل انتشار:

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خلاصه مقاله:

This paper considers joint power and subcarrier allocation on the uplink OFDMA-based cooperative cognitive networks. We propose three schemes to maximize sum-capacityof Primary Users (PUs) in a situation that Secondary Users (SUs) relay the data of PUs and achieve subcarrier from PUs.We investigate the optimization problem under PUs peak power constraint to avoid interference with other cells with lowercomplexity compared to other works. The greedy algorithm isalso modified to improve active PUs in the network. Our simulation results show preference of cooperative mode than non-cooperative mode in many parameters

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا: