

## Abstract Details

**Title:** Effect of Attenuation on Cognitive Radio Network

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**Abstract:** Saving and resource allocation process is one of the most important processes in network planning in order to exploit the frequency spectrum through cognitive radio technology. The aim of this paper is to assess the impact of the changes that occur on the independent channels by users in terms of noise and Attenuation ratio, which are classified to the user all our primary and secondary spectrum is shown in the results in the form of tables and graphs illustrate the amount of capacity in bandwidth against frequency using MATLAB for system simulation software program. The parameters that were taken into consideration in the investigation are the noise and attenuation effect.

**Keywords:** Cognitive Radio Network, Attenuation, FCC.