

The Management of Radio Spectrum Resources in Thailand

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Abstract : This research is the study of Spectrum Management and the increase in efficiency of Spectrum Utilization. It also proves that Cognitive Radio is a newer technology that will change the face of e-communications network today. This study used qualitative research methods by using in-depth interviews to collect data from a sample specific to those who work in Radio channel from 6 key informant and literature review from the related documents in online database. The result is the technique of Dynamic Spectrum Allocation that is the most suitable for Thailand. We conduct in-depth research for future purposes. Moreover, we can also develop a model that can be used in regulating and managing spectrum that is most suitable for Thailand. And also develop an important tool which can be of importance to allocation of spectrum as a natural resource appropriately. It will also guarantee quality and high benefit in a substantial way.

Keywords : cognitive radio, management of radio spectrum, spectrum management, spectrum scarcity

Conference Title : ICEBMM 2016 : International Conference on Economics, Business and Marketing Management

Conference Location : Prague, Czechia

Conference Dates : March 30-31, 2016