

## **Spectrum Issues Related to Broadband Access**

Dale N. Hatfield

Chief, Office of Engineering and Technology  
Federal Communications Commission

### Abstract

The decisions of the Federal Communications Commission (FCC) in the area of spectrum management play a vital role in determining the competitiveness and overall vitality of both the fixed and mobile broadband access sectors of the telecommunications market. The purpose of this paper is to review recent actions and on-going efforts that directly affect these two sectors. Among others, the paper will discuss the FCC's Policy Statement on Spectrum Policy, current allocations available for licensed and unlicensed broadband access, recent/current proceedings dealing with wireless competition, competitive networks, and advanced services, issues associated with accommodating Third Generation (3G) cellular systems, current activities relating to creating rules for commercial activities in the higher reaches of the radio spectrum, and recent initiatives relating to software defined radio (SDR) techniques, Ultra-Wideband (UWB) systems, and encouraging secondary markets in spectrum.