

The applicant, CBS Communication Services Inc, is a wholly owned subsidiary of CBS Corporation (CBS). CBS is the parent corporation of subsidiaries that hold Radio and Television broadcast licenses.

CBS wishes to determine if digital spectrum efficient communication radios, capable of simultaneous voice and data channels, will improve the efficiency of its remote field news gathering and if the known latency and "cliff effect" resulting from digital communications might adversely effect news gathering operations. While CBS believes that the benefits of using digital spectrum efficient radios are well advertised, the resulting audio latency issues experienced by the "on-air" talent during live broadcasts could be problematic.

As live broadcasts can be affected by digital latency, CBS seeks to determine if this will limit using digital cues and "on-air" program audio foldback to live talent broadcasting from remote locations.

In addition to voice communications, GPS tracking of news crews, electronic script transfers, and teleprompter data will be tested using the proposed equipment and emission.

This project will use the Motorola *Mototrbo* series of radios, including two mountain top repeaters, mobile units, and handheld portables. CBS's Denver station has these radios and is operating them in the analog mode since digital TDMA is not permitted at this time in FCC rule Part 74.

The use of the frequencies has been coordinated with the Society of Broadcaster Engineers frequency coordinator for the Denver area.