

Project: Earthquake monitoring in Utah

Description: The University of Utah Seismograph Stations (UUSS) operates and maintains a network of seismic monitors in the Utah region and nearby states. Our realtime earthquake monitoring requires reliable communications. We're currently licensed to operate in the 217-220MHz band using 10kHz-wide channels, using audio-modulated FM signals. We're investigating using digitally modulated signals in this same region. Research and development within this band with higher-bandwidth channels is needed.

Supplemental information:

website: <https://quake.utah.edu/>

map of existing seismic monitoring stations (ours and partner regional seismic networks): <https://quake.utah.edu/monitoring/station-map/>