

The system for which this license is being submitted is a GPS repeater which will be used to checkout GPS time and position processing in equipment being flown by UTSI for NASA and NOAA for performing earth observations associated with global climate change and other environmental monitoring applications. The experiment hardware being developed by NASA Marshall Space Flight Center (Dr Charles Laymon charles.laymon@nasa.gov) and NOAA Oak Ridge (Mr Ed Dumas ed.dumas@noaa.gov)) either relies on aircraft GPS receivers for time and position or utilizes hardware integral to the experiment for processing this information. It is vitally important to check these systems out before rolling out of the hangar. The GPS repeater allows these experiments to acquire GPS signals so we can test acquisition of GPS time and position.