

Statement of Purpose for GPS Repeater License

The GPS repeater is required for a research and experimentation program that evaluates the movement of persons in and around urban buildings using the GPS and other position location techniques. The GPS repeater is needed to demonstrate and test the performance of tracking systems using the GPS but in an interior lab location. The specific objectives to be accomplished are the comparison of accuracy readings for GPS and non GPS based systems and cost trade offs. The program of experimentation has an excellent chance to develop tracking devices with GPS and radio transmitters for immediate use by the military and homeland defense.