This license request is in support of test and demonstration activity that will require the transmittal of GPS data from an Inertial Navigation System (INS) onbard a fielded All Terrain Vehicle (ATV) to a laboratory at a distance of no greater than 1 kilometer. The Gun Fire Control Lab supports the development of gun fire control algorithms used to control various vehicle turrets while operating in dynamic environments. The purpose of this activity is to demonstrate turret pointing capabilities and to test pointing accuracy when tracking a non-stationary target.

The hardware requiring licensing will provide a data link between the laboratory and the ATV that will enable the transmittal of real-time GPS data. The system consists of two (2) Microhard nVIP2400 radios 1W 2.4 to 2.4835 GHz (one located at the laboratory and the other fixed to the ATV), each of which will operate in conjunction with a 2.4GHz omni-directional antenna.