

SMSS Program Description

The license request is in support of test activity to transmit command and control information from a remote control unit to the Gyrocam 9M Tactical Surveillance Sensor (TSS) and for receiving video and range information from the Gyrocam 9M TSS on the remote control unit while it is mounted on the Squad Mission Support System (SMSS) under the sponsorship of the US Army. SMSS is a small Unmanned Ground Vehicle (UGV) under development, for the purpose of carrying all the equipment required to support a squad of soldiers in the field, relieving them of carrying all their food, ammunition, etc., during long marches.

The hardware requiring licensing provides a command link between the operator and the UGV for command and control of the UGV. The system consists of a wireless operator unit (NETNode IP Mesh Node Radio (Robust) 1W 340 to 470MHz, NETNode-R-034047) and a wireless mounted vehicle unit (NETNode IP Mesh Node Radio (Plain) 1W 340 to 470MHz, NETNode-P-034047). Note that the antennas being used limit the bandwidth of this radio set to 340 to 390MHz.