

- A. The research being conducted is relative to the Unmanned Aerial Vehicle (UAV) sense and avoidance payload development. The system will be used also for agricultural analysis and other dull, dirty, and dangerous tasks. The need for a long range wireless FM video transmission system is required in order to acquire the needed data.
- B. The facilities needed are to be able to test the system on the ground in the limits of residential areas on the campus of a public university. The actual flight tests will be performed in rural open fields and most will be performed in the confines of a military base restricted airspace.
- C. As of right now there is no equipment that is able to successfully attain the desired range and characteristics that the new developed system needs to achieve the desired data acquisition.