

**Purpose of Operation**

The purpose of operation is to examine the physical aspects of wireless infrastructure design and the associated propagation techniques. Raytheon has established a wireless lab environment for the purpose of gaining additional insight into the wide variety of wireless technologies that are currently available and those that may be available in the future. Studies will employ the unique test equipment at Raytheon's Sterling, VA wireless lab under the supervision of company personnel at this location who have specialized training for the proposed testing of cellular infrastructure and associated propagation techniques. The laboratory is located in a confined location surrounded by concrete and metal. GPS signals need to be repeated inside the operational lab and within test chambers to facilitate testing.