

PROPOSED PROGRAM

Teledyne FLIR, Inc. is the designer and manufacturer of handheld devices that detect and identify radioactive materials. As a feature on most of our products, we include the ability to provide GPS coordinates on the device. In order to ensure proper functionality of the GPS receivers in our devices, we must test them accordingly. We have been using two GPS repeater kits under our experimental license with file number 0482-EX-CR-2022. The repeaters are manufactured by GPS Source (64 N. Mission Dr., Pueblo West, CO 81007), which is a company that specializes in GPS products used for commercial, military, and personal GPS solutions. Due to a new drone product line, we need to move one of the existing GPS repeaters to a different part of the building, and add a new repeater (GPS Networking) with L1 and L2 capability (VGL1L2GHNRRKIT-N/5/110) where one of the current repeaters is located.

OBJECTIVES

The specific objectives to be accomplished with the continued use of these products is

- To provide our test/development area with re-radiated GPS signals
- To make the GPS development process more convenient and efficient for next generation devices
- To provide efficient testing of our GPS capable products that are currently in production
- To provide efficient testing of our GPS capable products that are returned for routine service

EXPERIMENTATION CONTRIBUTION

Teledyne FLIR is one of the only manufacturers to provide GPS capability in handheld radiation detection/identification instruments. Including this technology in our devices sets the mark for similar instruments in the future and, therefore, aids in the progression of GPS use in comparable handheld devices.