

Raytheon IIS
Experimental License Application
File No.: 0369-EX-PL-2016

Explanation of Experiment

Overview:

Raytheon IIS develops a number of advanced communications technologies that are utilized by federal government customers in their work.

Raytheon IIS has a wireless testbed at its facilities in Sterling, Virginia. That facility tests a number of parameters relating to wireless communications in an effort to advance the radio art with regard to the performance of wireless systems. Raytheon held WI9XUZ for the use of a VSAT terminal at this location which was requested authorize changes in the VSAT configuration. Because the testbed remains active, Raytheon is seeking an experimental license to continue with the VSAT operations testing.

Explanation of Experiment:

The purpose of the testing is to explore how to meld the capabilities of a VSAT network terminal with advanced, ground-based wireless communications. A number of different parameters are being tested. The VSAT connection is used to test for use for backhaul and to engineer solutions to satellite communications delay, among other factors.

The antenna is a VSAT antenna which is directed at the satellite.

Area of Operations:

Operations will be conducted at the wireless testbed at Raytheon's controlled access facilities in Sterling, VA.

Stop Buzzer Point of Contact:

Kevin L Chapman
571-250-2083 (office)
703-283-6708 (mobile)
kchapman@raytheon.com

Conclusion:

This authorization is required for the integrated testing of the VSAT communications with existing ground-based wireless communications technologies.

For any questions regarding this application, please contact Brian R. Kavalor, Spectrum Manager or Anne Cortez, WFS, 520-344-8525 or alc@conspecinternational.com. Thank you very much for your consideration.