

From: peter Klein

To: Behnam Ghaffari

Date: February 24, 2014

Subject: FCC File No. 0072-EX-PL-2014

Message:

As a FFRDC, MIT Lincoln Laboratory does not build production systems. We are frequently asked by a sponsor to build a prototype unit (or two) that showcases the new hardware or software developed at Lincoln Lab. Very often, this prototype unit cannot stand on its own, but is integrated as a payload on a larger system. For example, we have built several pods, housing sensors, to be mounted to a government owned UAV, to showcase our software algorithms. These pods (prototype systems, payloads on a UAV) typically have onboard GPS receivers and antennas, both purchased commercially. The GPS repeater would be used to test these receivers and allow operation of our system in the lab, prior to being mounted to an aircraft.

Could you please explain "test GPS receivers," if you need further details? We will not be testing the purchased receivers for sensitivity, accuracy, speed of lock, etc. We will test their ability to provide a position and time.

Thanks,
Peter Klein