

7/7/2015

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George R. Blake
University of Kansas
1530 W. 15th Street
Learned Hall Room 2120
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Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

To Whom It May Concern,

We are proposing to install and utilize a GPS NETWORKS HNRRKIT GPS Re-Radiation system into our Yellow Hangar located at 1970 N. 7th Street, Lawrence, Kansas that is part of the University of Kansas Aerospace Engineering department Garrison Flight Research Center (GFRC). The purpose of the GPS Repeater is to prescribe UAS operating requirements in the National Airspace System (NAS) for the purpose of flight testing to evaluate the aerodynamic/propulsion system integration, control systems, on-board sensors, the ability to fly accurate flight profiles and the ability for all systems to function without interference. To this end, we perform ground testing and airworthiness validation within our hangar(s) where there is currently no GPS signals present to initialize and validate operation of our Autopilot systems. We also perform research and development utilizing QuadCopters (4-arm Helicopters) and need positioning information within the confines of the hangar for safety reasons.

It is, therefore, requested you approve our request for FCC licensing of our Re-Radiation system.

Thank You for your attention in this matter.

Best Regards,



George R. Blake
Laboratory Coordinator / Avionics Technician
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