

From: Lauren Zientarski, AFRL/RQVC, Design & Analysis Branch

To: The Federal Communications Commission

Subj: Little Horned Owl Small Unmanned Aircraft System Frequency Authorization Amendment

The Little Horned Owl (LHO) is a small unmanned aircraft system developed by the Boeing Company for acoustics research. Design and test of the air vehicle is being done in coordination with the Air Force Research Lab (AFRL) and Intelligence Advanced Research Projects Activity (IARPA). Acoustics data collection will take place at the White Sands Missile Range (WSMR) Acoustic Research Center (ARC) in New Mexico with radio transmission previously approved by the FCC experimental license Call Sign WK2XKC.

Initial airworthiness testing was planned to be completed at Baldwin Field in Silex, MO. Weather conditions over the last few months has made operations at Baldwin Field potentially unsafe. Smartt Field in St. Charles, MO has been identified as a backup test site. Operations has been coordinated with airport management and will be conducted under 14 CFR Part 107 regulations. FCC Authorization WK2XKC requires amending to include the new test site at Smartt Field.

The AFRL fully supports this flight test activity and respectfully requests that you take the necessary steps to approve the amended FCC Frequency Authorization request that accompanies this letter and provides the frequency authorization to conduct these flight tests.

Points of contact for this request are:

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