Little Bird
Technical Description

Submitted By
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The Boeing Company
Frequency Management Services
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SCHEDULE
Start Date: 6 September 2013
End Date: 2 March 2014

REASON FOR APPLICATION
The Boeing Company is requesting a Special Temporary Authorization to conduct operational checks and flight demonstration with the Little Bird UAS.

PURPOSE
The Aurora Flight Sciences "TALOS" Team is funded by the Office of Naval Research under the AACUS (Autonomous Naval Cargo Utility System) program to develop a platform agnostic sensor suite and software package to demonstrate autonomous approaches and landing for unprepared landing sites using the Boeing Unmanned Little Bird platform. The Office of Naval Research is sponsoring the demonstrations flights, which will require the use of Tactical Common Data Link (TCDL). Specifically, the use of Ku- Band, L-3 COM TCDL 14.40 – 14.83 GHz (Transmit) and 15.5 – 15.35 GHz (Receive). ONR recognizes the TALOS team's need of TDCL and recommend it's authorization for use in said demonstrations.

FREQUENCIES

Frequency (MHz)	Emission	Power
14747.00	21M40G1D, 45M00G1D, 64M00G1D, 800K00G1D	2 Watts
14798.00	21M40G1D, 45M00G1D, 64M00G1D, 800K00G1D	2 Watts
15190.00	21M40G1D, 45M00G1D, 64M00G1D, 800K00G1D	2 Watts
15250.00	21M40G1D, 45M00G1D, 64M00G1D, 800K00G1D	2 Watts

STOP BUZZER CONTACT INFORMATION
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LOCATION

Test site: Warrenton Fauquier Airport at Cedar Run, Virginia (KHWY)
Location: Lat: 38° 35.70', Long: 77° 42.60'
Radius: 50 miles (80 km)