1226-EX-CN-2023 27 Sept 2023

Aurora Flight Sciences

Submitted by:

Daniel McNeil

The Boeing Company

Daniel.p.mcneil@boeing.com

714-642-7485

1) Submit a narrative that describes your experiment in great detail. Describe the exact purpose of this experiment and describe the application of this frequency request. The attached narrative is vague. You can refer to other application but since you filed for new application you need to provide a detailed narrative.

This line-of-sight data link frequency request supports testing of an Optionally Piloted Aircraft (which will always be manned) and its payload systems in the vicinity of the Potomac River in the area that is clear of the FAA published Restricted areas. Although the aircraft will always have a pilot onboard, the data link enables the non-pilot crew to remain on the ground and remotely control and test the aircraft's payloads. These payloads are optimized for use in a maritime environment, and the requested license area provides a variety of maritime items of interest for system and sensor testing that cannot be adequately tested over land.

2) Verify the coordinates. The coordinates plot in Virginia and not in Maryland.

38-09-02N, 76-50-57W is correct. The State originally listed on the Form 442 was incorrect.

3) Enter the Name of the City/Town in the Form 442. That information is missing.

Stratford, VA

4) Are you providing commercial and/or operational service under this experimental license?

No

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Description of Operation:

The objective of this request is to extend flight operations in conjunction with WJ2XJZ.

Area of Operation:

Location:

1) Mobile / Airborne Operations – ~~18,000 ft AGL~~ 10,000 ft MSL, 60km radius centered around 38-09-02N, 76-50-57W.

Frequencies and Emissions:

Location 1:

Frequencies:	~~4400-4950MHz~~ 4418 – 4558 MHz
Station Class:	MO
Emission Designator:	13M2G1D
Power (ERP):	13W

Stop Buzzer:

Jason Fine 571-364-4688

Auxiliary Information: