

Aurora Flight Sciences

Submitted by:

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Description of Operation:

The purpose of operation is to conduct flight testing of various configurations of the Centaur Optionally-Piloted aircraft in accordance with the program letter and operating limitations issued along with our FAA Experimental airworthiness certification. This license request enables us to operate the data link between the aircraft and our ground control station for telemetry and/or C2 while performing flights. All flights are manned with an onboard safety pilot acting as pilot in command.

Area of Operation:

Location:

- 1) Ground Station – Martinsburg, WV (39-24-07N, 77-59-02W)
- 2) Mobile / Airborne Operations – 10kft MSL, 40km radius centered around Winchester, VA (39-11-23N, 78-06-45W)

Frequencies and Emissions:

Location 1:

|                      |                     |
|----------------------|---------------------|
| Frequencies:         | 4717MHz and 4767MHz |
| Station Class:       | FX                  |
| Emission Designator: | 6M87G7D and 13M2G1D |
| Power (EIRP):        | 2000W               |

Location 2:

|                      |                     |
|----------------------|---------------------|
| Frequencies:         | 4418MHz and 4502MHz |
| Station Class:       | FX                  |
| Emission Designator: | 6M87G7D and 13M2G1D |
| Power (EIRP):        | 13W                 |

Stop Buzzer:

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Auxiliary Information:

This license will replace FCC Experimental Special Temporary Authorization WS9XCL (1514-EX-ST-2021).