

0749-EX-ST-2022

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Aurora Flight Sciences

Submitted by:

[Daniel McNeil](#)

[The Boeing Company](#)

Daniel.p.mcneil@boeing.com

[714-642-7485](tel:714-642-7485)

Description of Operation:

The objective of this request is to obtain a license authorizing experimental use of the Viasat Enerlinks III C-band datalink as part of manned data collection flight experiments. Testing will be performed at the Las Cruces, NM FAA UAS Test Site.

Area of Operation:

Location:

- 1) Ground Station – within FAA Las Cruces, NM UAS Test Site (32-17-00 N, 106-55-48W)
- 2) Mobile / Airborne Operations – 10kft MSL, 70km radius within the FAA Las Cruces UAS Test Site, centered around 32-17-00N, 106-55-48W

Frequencies and Emissions:

Location 1:

Frequencies:	2 frequencies between 4717.5MHz and 4799.5MHz
Station Class:	FX
Emission Designator:	6M87G7D and 13M2G1D
Power (EIRP):	2512W
Power (ERP):	1511W

Location 2:

Frequencies:	2 frequencies between 4418MHz and 4502MHz
Station Class:	FX
Emission Designator:	6M87G7D and 13M2G1D
Power (EIRP):	20W
Power (ERP):	12W

Stop Buzzer:

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Daniel McNeil	714-642-7485

Auxiliary Information:
Testing will be performed between July and October 2022.