

0993-EX-ST-2022

3 June 2022

Aurora Flight Sciences

Submitted by:

[Daniel McNeil](#)

[The Boeing Company](#)

[Daniel.p.mcneil@boeing.com](mailto:Daniel.p.mcneil@boeing.com)

714-642-7485

#### Description of Operation:

The objective of this request is to obtain permission to radiate using the Fortem R30i TrueView radar as part of small drone detection & tracking experiments. The radar consists of a single antenna module mounted at a fixed ground location. Radar will be controlled using Fortem's SkyDome Manager software. Operations will be conducted from August 2022 through January 2023.

#### Area of Operation:

Location:

- 1) Ground Station – Pepperell, MA (42-41-39N, 71-33-12W)

#### Frequencies and Emissions:

Location 1:

|                      |                  |
|----------------------|------------------|
| Center Frequency:    | 16.3GHz          |
| Frequency Range:     | 16.215-16.385GHz |
| Station Class:       | FX               |
| Emission Designator: | 170MQXN          |
| Power (ERP):         | 91W              |

#### Stop Buzzer:

|                   |                    |
|-------------------|--------------------|
| Daniel Bindbeutel | 703-530-1954 x1954 |
| Daniel McNeil     | 714-642-7485       |

Auxiliary Information:

Testing will be performed between August 2022 and January 2023.