

0993-EX-ST-2022

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Aurora Flight Sciences

Submitted by:

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#### 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):	153W

#### Stop Buzzer:

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Auxiliary Information:

Testing will be performed between August 2022 and January 2023.