

From: Gregory Skotzko

To: Leann Nguyen

Date: August 19, 2019

Subject: Request for Info - File # 0635-EX-CN-2019

Message:

Good Afternoon -

Thank you for contacting me with your request for more information regarding our application for an Airborne based mobile radar that we are testing.

I believe we have covered the Transmitter and Receiver Antennas Data by the attachment we uploaded titled "Trident Space Question 4 Direction Antenna Information.pdf" and the "Trident Space Purpose of Experiment - Exhibit 1" documents that were supplied as attachments to the 442 we filed.

If these are not sufficient to cover the specifications of the mobile antenna we will be employing as well as our operating parameters - I am available by phone and happy to discuss and get better information for you as needed.

Below is a synopsis of the antenna information:

- Polarization: Vertical
- Orientation: This is a mobile platform, the antenna is mounted 270 degrees from True North on the aircraft.
- Gain: 20 dB
- Beamwidth: 16 degree half power vertical beamwidth, 16 degree half power horizontal beamwidth.
- Azimuth: 270 degrees from True North, mounted on a Cessna U206
- Elevation: 1524-3048 meters AGL
- Height: Antenna is mounted broadside to aircraft operating at the previous altitudes AGL.

Thank you,
Greg Skotzko
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