

From: Josiah Mullins

To: Leann Nguyen

Date: August 12, 2020

Subject: Request for Info - File # 0582-EX-CN-2020

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Message:

Per a direct conversation with Leann, we are formally submitting the updates to this license request. Please note, we believe we sent the exhibit about potential flight with the 283000. If not, we have detailed the answer below and let us know if we need to upload again. Thank you!

- Description of operation.

LIFTS is a tactical system which operates based on a cooperative locator and tag design. Each tag and locator is capable of transmitting and receiving both data encoded and radar location measurement waveforms.

- Verify the emission designator. Explain "X" letter on the emission designator.

X indicates all cases not covered above

0H00P0X - This is a unmodulated pulse or set of pulses which could be used for calibration of the system. X can be substituted for N for no data transmitted.

150MQ3X - This is an LFM pulse which is designed to garner range and angle measurements to the cooperative tags. X can be substituted for N for no data transmitted.

- Verify the radius of operation. If it is a flight test, please provide

115km is accurate and if we are able to get our 206 experimental plane back from Dougway we would put the 283000 locator on it with the 283150 tags on the ground for the testing. I thought I had attached the exhibit, but I attached it here. As for the PAX location with NAVAIR, they would provide and perform the flight otherwise they have a mast and yard boat they planned for the event.

--minimum/maximum flight level.

The attachment (which I apologize I thought I had sent it with the FCC 442 submission) is 10,000 foot maximum. I have a min of 0 as the NAVAIR plan with this is a guidance for landing, but we would not test lower than 1000 feet with our 206 and pilot.