

From: John Roths

To: Jose Trevino

Date: June 24, 2011

Subject: FCC file number 0412-EX-ST-2011

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Message:

1.) The DARPA program itself will be to operate this equipment on aircraft at the NASA Dryden facility at Edwards AFB in California. Prior to this flight testing, it is desirable to test this equipment on the ground near our facility in Salt Lake City, UT. For this ground testing we would be operating the equipment on test carts in an open area such as a parking lot.

Each cart would contain a system setup consisting of a GPS Receiver, processor and other equipment including the UHF datalink described in the STA application. One system would transmit data to the other system in a manner such that the second system would be able to calculate its position and orientation relative to the first system. Once these systems are installed at the NASA facility, they will be used to establish formation flight between two aircraft.

2.) The latitude and longitude of the area we propose to use for the ground testing in Salt Lake City is N 40d 38? 0?, W 111d 50? 22?. It is a parking lot located behind a church near our facility that we have been given permission to use due to its open area and the fact that it is usually empty during the weekdays. The address is 1830 E 6400 S, Salt Lake City, UT 84121. Our facility is approximately 1 block East.

3.) The DARPA contract number is HR0011-10-C-0076 and a point of contact is Jim McCormick the DARPA PM, 571-218-4404 (Office), James.McCormick@darpa.mil

One other thing to mention, for this ground testing, if you request, we can reduce our transmit level to 100 mW instead of the 1 W specified.