

From: Scott Guerry

To: Behnam Ghaffari

Date: April 08, 2019

Subject: 0394-EX-ST-2019

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Message:

With respect to 2900-3650 MHz band, please answer:

1. Pulse repetition rate (PRR) and pulse duration.

75KHz, 10ns pulse duration. However we only transmit 2560 pulses over a 1 second period so our duty cycle is very low.

2. Is the system fixed or mobile? How high will it be off the ground?

The system must remain fixed on a tripod when active but can be easily transported when inactive. 4ft to 7ft elevation.

3. What kind of antenna? Is it stationary or rotating? Is there a fixed azimuth?

Stationary phased array antenna. The system can be deployed so that it is aimed in any direction. The transmitted pulse is un-steered. Digital beam forming is used on the receive side.

Also, we recently decided not to take the 2900-3650 MHz device (ProwlXR) to this demo, so I removed it from the application. Please let me know if you have any further questions.