

From: Joshua Gullett

To: Leann Nguyen

Date: April 08, 2016

Subject: Request for Info - File # 0500-EX-ST-2016

Message:

-----Purpose of the Experiment-----

TSC is developing a next-Generation Software-Defined Radar (SDR) for multiple airborne applications, including but not limited to the following:

- (1) Broad-Area Maritime Domain Awareness sensor using Synthetic Aperture Radar (SAR)
- (2) SAR/GMTI for Unmanned Aircraft Systems
- (3) Sense-and-Avoid sensor technology for Unmanned Aircraft Systems

The requested STA is for temporary authorization to conduct transmit testing until our DD1494 is approved. Initial planned experimental testing under the STA will be the use of LFM pulsed waveforms for SAR.

-----Latitude and Longitude-----

34°38'32" N 86°45'55" W

-----Radius of Operation-----

50 nmi (93 km)

-----Point of Contact-----

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