

# PUBLIC INTEREST STATEMENT

## **1. Introduction**

Laurel Technologies Partnership (“Laurel Technologies”) respectfully requests that the Commission grant Special Temporary Authority (“STA”) to permit Laurel Technologies to operate at the location specified in the application. STA is requested for a period of six (6) months. STA is requested because the specified testing is anticipated to be completed within 6 months of the grant.

## **2. Purpose and Nature of the Operation**

Laurel Technologies is a State of the Art Radar Test and Integration facility, and is a leading supplier of networked and integrated sensor control systems for military and homeland security missions. Laurel Technologies incorporates dynamic technologies in command, control, computing, and communications to provide new approaches for seamless homeland security, homeland defense, and military operations. The company’s solutions for force protection, and ship self-defense incorporate virtually undetectable radar, day/night video and a multi-sensor tracking system to provide highly accurate detections and tracking of targets. Designed and built for border, coastal/port defense, and surveillance, the systems automatically identify and classify moving ground and shallow-water targets, contributing to national security objectives to safeguard borders, littoral regions and valuable assets from terrorist acts.

The requested STA will test the Operating Capability of the MSTAR Radar when integrated as part of a Border and Force Protection Ground Surveillance System. The Ground Surveillance System is comprised of a trailer mounted telescoping mast that supports the mounting of a Sensor package. The Sensor package includes a MSTAR Radar and two Video cameras (Day & Night). The Radar will operate in the 16.75 - 17.25 GHz band. The application of the experiment is to test and evaluate target detection and tracking capabilities of the Radar and visual capabilities of the cameras once the target is acquired.

The Ground Surveillance System test data is necessary to show requirements compliance for anticipated bids. In addition, the anticipated RFP’s will require Laurel Technologies to provide a working pretested system for evaluation. These contracts, if awarded, will support the Domestic (CBP and US Military) and International (Middle East) Border and Force Protection Lines of Business.

## **3. Transmitting Equipment**

<u>Manufacturer</u>	<u>Model #</u>	<u># of Units</u>	<u>Experimental?</u>
MSTAR Radar	Model Number AN/PPS-5C	1	Yes

## **4. Stop Buzzer.**

Laurel Technologies advises that the following will be available by wireless telephone and will act as a “stop buzzer” if any issues regarding interference arise during testing:

Jim Kijesky – (727) 331-9729                      DRS LT                      Largo, FL

For the foregoing reasons, Laurel Technologies respectfully submits that approval of this STA Request is in the public interest, convenience and necessity.