

PUBLIC INTEREST STATEMENT

1. **Introduction**

By the instant application ("Application"), BAE Systems Information and Electronic Systems Integration Inc. ("BAE Systems") requests that the Commission grant a two year experimental license to permit BAE Systems to operate the facilities (the "Facilities") specified in the instant Form 442.

The instant application seeks a two year license for the same facilities that were granted under Special Temporary Authority ("STA") pursuant to File No. 0325-EX-ST-2006, and under the same terms and conditions.

2. **Purpose of the Operation**

BAE Systems Information & Electronic Warfare Systems (IEWS), a business unit of the Information and Electronic Systems Integration Sector (IESI) within BAE Systems North America, will conduct the testing specified in this Application. IEWS is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. IEWS' lines of business include Electronic Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics with products and services spanning the whole electromagnetic spectrum.

The testing at the Litchfield Antenna Test Range is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts. As a general matter, the purpose of the facilities for which consent is requested herein is to test the performance of a system designed to locate ground surveillance radars. The test will be conducted with the target radars (transmit elements) at a fixed location, and the sensor system (receive elements) moved to various predetermined locations at the Litchfield Antenna Test Range. The contract information pursuant to which this experiment will be conducted is as follows:

Customer Name:	USA CECOM RDEC I2WD
Customer Contact	Bek Osman, 732-427-5602 (bek.osman1@us.army.mil)
Contract Number	W15P7T-05-C-P224

Additional details regarding the nature of the transmissions for which authority is requested are specified at Exhibits 2, 3 and 4, as follows:

- Exhibit 2 contains information for the facilities identified at Antenna Registration #1 of this Application, which relate to a Ground Surveillance Radar (AN/PPS-15) to be used as one of the "target" radars, to transmit in the band 10.2-10.4 GHz.
- Exhibit 3 contains information for the facilities identified at Antenna Registration #2 of this Application, which relate to a Marine Radar (Furuno 1623) to be used as one of the "target" radars, to transmit in the band 9380-9440 MHz.

- Exhibit 4 contains information for the facilities identified at Antenna Registration #3 of this Application, which relate to a transmit system designed by BAE Systems (ESE1) that is comprised of an Agilent signal generator (E8267D) and HD Communications amplifier (HD18274) as its component parts.

3. Prevention of Interference

BAE Systems' Richard C. Ball will be personally conducting the test and will be available by wireless telephone at (603) 318-6913. Mr. Ball will act as a "stop buzzer" if any issues regarding interference arise during testing.