

1. Introduction

By the instant application (“STA Request”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant Special Temporary Authority (“STA”) to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant STA Request.

2. Purpose of the Operation

The testing at the Merrimack Test Range is a critical part of the proof of concept and engineering development process required in support of Homeland Security efforts. Specifically, this by this STA Request, BAE Systems seeks authority for airborne operations which are related to the DARPA Trident Spectre 2019 Test Event.

Such operations will support the following contract:

Contract Number:	FA8650-17-C-7709
Agency Customer:	Air Force Research Laboratory
Contract POC:	Kimberly Warren
POC:	Kimberly.warren.2@us.af.mil (937) 713-9844

These mobile airborne transmissions will occur in a flight pattern centered on the test area center point at the BAE Systems’ Merrimack, NH campus (coordinates 42°48’35”N; 71°29’19”W), with the furthest waypoints lying on a radius of .5km about the center point. The maximum flight ceiling planned is 121m above ground level (AGL) (per FAA requirements). Ground elevation above sea level at the center point coordinates is 58m at this location. The nearest airport to the center point coordinates is 3.25km from the center point coordinates (KASH).

Waiver of the Station ID rules set forth at Section 5.115 is respectfully requested.

3. Prevention of Interference

BAE Systems is well aware of its obligations under Part 5 of the Commission’s rules to avoid interference to co-channel licensees in non-experimental services, and will take all steps to ensure compliance with this obligation.

BAE Systems hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted near the center of BAE Systems’ Merrimack, New Hampshire facilities. Such location will result in the separation of the test facilities from other existing transmit or receive facilities.

4. Stop Buzzer

The designated point-of-contact to terminate the system if having interference occurs is BAE Systems Emergency Services Center at (603) 885-3842.