

1. Introduction

By the instant application (“Application”), 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 application. STA is requested for a six month period, from 7/31/2016 through 1/31/2017.

2. Purpose and Nature of the Operation

BAE Systems manufactures and tests RF systems as well as antennas for DOD as well as other governmental customers. The testing specified in this Application will be conducted by BAE Systems Information and Electronic Systems Integration Inc., which is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. This unit's 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.

BAE Systems currently supplies pod base SIGINT Systems to US Government military customers. BAE Systems is currently adding new technology and capabilities to these podded SIGINT systems with an Internal Research and Development (IRAD) program. In support of this effort, the antenna array within the pod which supports Direction Finding and Geolocation needs to be fully characterized (or calibrated) and tested on an antenna range. The outdoor antenna range located in Litchfield, NH is the desired location for this antenna range activity. This array calibration and testing effort will directly enhance the performance, capabilities and accuracy of these podded airborne SIGINT systems. It is expected that this technology will be incorporated into active military weapons systems, which in turn will directly improve the success and utility of the military missions flown by these pods in the areas of deployment.

3. Description of Frequency Requirements

At any given time, BAE Systems will not occupy the entirety of the bands listed in the Application. In fact, at any given time, within each of the band segments specified on the Application BAE Systems will only be transmitting within a 30 MHz sub-band for a very brief duration on only a select group of frequencies. Specifically, within each such 30 MHz sub-band, BAE Systems will operate as follows:

- Operation will occur on 40 frequencies (8 “groups” of 5 frequencies)
- Each of the 5 frequencies in each “group” will be separated by 5KHz frequency spacing.
- Operation will occur within the 30 MHz sub-band for only 25msec, then operation will move to the next 30 MHz sub-band.

4. **Waiver of Station ID**

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

5. **Stop Buzzer**

The designated point-of-contacts to terminate transmissions if interference occurs is:

Mr. Richard Ball – (603) 318-6913

Mr. Sean Hallinan - (603) 361-5959

BAE Systems Emergency Services Center – (603) 885-3842