

Exhibit 1

1. Introduction

By the instant application (“Application”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant an 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 frequencies and facilities that were granted under Special Temporary Authority (“STA”) pursuant to File No. 0604-EX-ST-2006.

2. Purpose of the Operation

BAE Systems manufactures and tests antennas as well as RF systems 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.

The subject testing involves passive, non-radiating and active, radiating testing related to BAE Systems’ contract with Lincoln Labs for the characterization of potential interference between operational and developmental military radar systems and commercial communications systems. This testing will permit timely use of the discoveries made in the development of specifications for new radar systems in development, as well as in the Techniques, Tactics, and Procedures (TTP) used by the armed forces in the application of existing radar systems. The testing at the Merrimack Antenna Test Facilities is a critical part of the development, manufacture, and operation of military radar systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

The contract information pursuant to which this experiment will be conducted is as follows:

Customer Name:	MIT/Lincoln Labs
Customer Contact	Thomas Bryant 781-981-3274
Contract Number	3021816

3. Blanking Capabilities

BAE Systems understands that FAA or other stakeholders may require certain frequency blanking, or certain limited azimuth and/or elevation blanking in order to ensure that the Facilities do not pose a threat of interference to adjacent emitters. This is to confirm that the subject system has such blanking capabilities and that BAE Systems stands ready to work with the Commission to identify and implement any reasonable restrictions that may be required.

4. Other Issues

A. Transmitting Equipment

Manufacturer	Model	Quantity	Experimental
Agilent	N6030A 1.25 GS/Sec Arbitrary Waveform Generator	1	No
Agilent	E8267C Vector Signal Generator	1	No

B. Directionality/Orientation of Antenna

Elevation (Vertical)	Azimuth (Horizontal)
-32.4°	55.5° (North East)

3dB Bandwidth of Antenna

3dB BW E (Vertical)	3dB BW H (Horizontal)
30.1°	31.2°

C. Prevention of Interference

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. BAE SYSTEMS' Jason Boucher will be personally conducting the test and will be available by wireless telephone at (603) 738-4711. Mr. Boucher will act as a "stop buzzer" if any issues regarding interference arise during testing.

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