

Exhibit 1

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 frequencies and facilities that were granted under Special Temporary Authority (“STA”) pursuant to File Nos. 0168-EX-ST-2006 and 0542-EX-ST-2006. **BAE Systems also hereby confirms that, in order to assist the Commission and all relevant stakeholders in the processing of this Application, the frequency requests specified in the attached Application reflect all of the “frequency carve-out” Special Conditions previously imposed in the grants issued under File Nos. 0168-EX-ST-2006 and 0542-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 will involve passive, non-radiating and active, radiating testing related to BAE Systems’ characterization of antennas and/or systems that are intended to be ultimately integrated into overall systems utilized by military and other customers. Because these experimental transmissions will occur during the pre-marketing phase of development, there is currently no government contract information specifically associated with this Application.

The testing at the Merrimack Antenna Test Facilities is a critical part of the manufacture and delivery of systems provided to the military as well as other governmental customers.

3. Other Issues

A. Antenna Data

For the convenience of the Commission, the chart below defines certain specifications relating to the monopole antenna that is intended to be used in the requested experiment:

Ant. #	Mfg.	Model Number	Frequency Range	Gain (Nom.)
1	Shakespeare	Style 120	.850 – 30 MHz	0 dBi
2	Shakespeare	Model 222	1.6 – 30 MHz	0 dBi

B. Additional Signal Amplification

Due to the low gain of the transmit antennas, an additional signal amplification is to be utilized.

Mfg.	Model Number	Frequency Range	Gain (Nom.)
HP	8347A	100 KHz – 3 GHz	20 dBm

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' Brian Egan will be personally conducting the test and will be available by telephone at (603) 885-3173. Mr. Egan will act as a "stop buzzer" if any issues regarding interference arise during testing.