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 this instant FCC 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. 0794-EX-ST-2006, and under the same terms and conditions.

2. Purpose of the Operation

BAE Systems manufactures and test numerous electronic systems for DoD customers. The testing specified in this STA Request will be conducted by a business unit of BAE Systems which is a major produces of electronic warfare systems, protections systems, tactical surveillance , intelligence and communication systems for all branches of the armed forces. The company's line of business includes Electronic Warfare/Electronic Protection, electronic Warfare/Information Warfare, Integrated Defense Solutions and Mission Electronics.

The subject testing involves the development and evaluation of an experimental RF waveform and demodulation protocol sponsored by DARPA. Today, wireless communications systems are constrained by the need to share a limited resource (spectrum) while also avoiding contention/collisions with other interference. This is typically accomplished through spreading techniques, contention avoiding media access control protocols, and multiplexing users in time or frequency. All of these methods require that users make less than full use of the spectrum and that there be some controlling structure to the communications system.

In this program we will demonstrate a prototype system where ***users simultaneously make use of the same spectrum without any centralized control or infrastructure, greatly enhancing the performance while increasing throughput of the communications system.*** Systems built upon the new paradigm of interfering on purpose will be truly innovative in that they will not need to rely upon spatial, temporal, or frequency orthogonality among users to keep signals from interfering. Information for the contract associated with this Application is set forth below:

Project sponsor:	DARPA / STO
Project Name:	Interference Division Multiple Access (IDMA)
Project Contract #:	W15P7T-06-C-P423
Sponsor's Name:	Dr. Reggie Brothers, 3701 North Fairfax Drive Arlington, VA 22203-1714 703-696-2373

3. Other Items

a. Power level (ERP)

The output power and ERP for the transmission are proposed to be 0.5 W, reported as a "Mean" value per unit with all units communicating over the same channel frequency. Up to 6 units will be communicating at once.

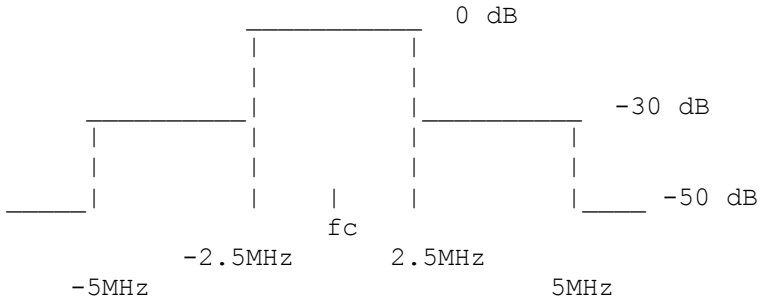
b. Antenna Data

Omni-directional 3 foot high monopole, Shakespeare AS-4310 UHF; maximum gain across band is 2.5 dBi.

c. Description of Waveform:

The waveform will be characterized by modulated chirps at 4.166 MHz doing BPSK, QPSK, 8-PSK, and 16-QAM. BAE Systems will use a root raised cosine pulse (approximately) with a roll-off 0.22 (subject to some change). There may be variable "spreading gains" from 4-16 chirps. Modulation bandwidth is 5 MHz.

Spectral Mask



d. Prevention of Interference:

BAE Systems hereby advises the Commission that the tests to be conducted under the requested Application are to be conducted near the center of BAE Systems' Merrimack, New Hampshire facility. Randolph Beltz, chief engineer, will be available by telephone at 603-759-3077 and will act as the "stop buzzer" if any issues regarding interference arise during test.