

Exhibit 1

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 period of six (6) months.

2. Purpose of the Operation

The testing at Joint Base Cape Cod is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts. This STA request is sought to allow BAE Systems to support developmental DoD capabilities.

The purpose of this test is for calibration of government sensors.

A waiver of the Station ID requirements of 47 CFR §5.115(a) is respectfully requested.

3. Other Issues

A. Transmit Directionality

The experiment requires transmission from NL 41-40-04, WL 70-30-37.

Station	North Latitude	West Longitude	Reference	Transmit Direction
1	41-40-04	70-30-37	JBCC	Omni

B. Directional Antenna Data

For the convenience of the Commission, the following chart defines certain specifications relating to the directional antennas that are to be used in the experiment:

Mfg.	Model Number	Frequency Range	Gain	BW
Experimental	NA	9.0-10.0 GHz	10 dBi directional	Freq E-Plane H-Plane GHz deg deg 9.6 GHz 60 60

C. Non-Directional Antenna Data

For the convenience of the Commission, the following chart defines certain specifications relating to the non-directional antennas that are to be used in the experiment:

Mfg.	Model Number	Frequency Range	Gain	BW
Experimental	NA	9.0-10.0 GHz	3 dBi Omni	n/a

D. RF Source

Experimental systems under development.

E. Additional Signal Amplification

Additional signal amplification is necessary to achieve a useful signal to noise ratio for the received signal. The output power of the system will be measured and verified to meet the radiated output power limits set forth in the license.

Mfg.	Model Number	Frequency Range	Gain
Mini Circuits	ZVE-3W-183+	9-10GHz	35 dB, typical

F. Prevention of Interference

BAE Systems hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted following coordination with JBCC on any active source transmission and communication with any active aircraft activity.

F. Stop Buzzers

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