

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WG2XEG

(Call Sign)

0057-EX-PL-2012

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Locations - BAE Systems Campus - Wayne, NJ, within 1 km, centered around NL 40-54-45; WL 74-14-02
- (2) MOBILE: Mobile Ground-Based Operations - Wayne, NJ, within 8 km, centered around NL 40-54-45; WL 74-14-02

Frequency Information

MOBILE: Temporary Fixed Locations - BAE Systems Campus - Wayne, NJ, within 1 km, centered around NL 40-54-45; WL 74-14-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-88 MHz	MO	25K0G7W	50 W (ERP)	
1385 MHz	MO	3M00G7W 1M20G7W 10M0G7W 30M0G7W	50 W (ERP)	

This authorization effective July 24, 2012 and
will expire 3:00 A.M. EST June 30, 2014

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Frequency Information

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Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Manoj Mathew at 862-228-4255 and Jason Stauss at 973-879-6196.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Army Research, Development, and Engineering Command Communications. Army Control Number is 0401-A-C843. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) BAE Systems will do experiment with Ground Mobile Radio Communications as stated in the request.
- (7) Operation is NOT permitted the frequency band 39.012-39.028 MHz, 39.352-39.368 MHz and 74.6-75.4 MHz,
- (8) The emissions cannot extend below 1370 MHz in this portion of the experiment.