

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WG2XEC

(Call Sign)

0537-EX-PL-2011

(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 (Ground) Locations, Merrimack, NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

Frequency Information

MOBILE: Temporary Fixed (Ground) Locations, Merrimack, NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
220 MHz	MO	N0N 1M10G1N	0.1 W (ERP)	
460.1 MHz	MO	5M16G7D	0.1 W (ERP)	
462.6 MHz	MO	N0N 1M10G1N	0.1 W (ERP)	

This authorization effective March 07, 2013 and
will expire 3:00 A.M. EST May 31, 2014

**FEDERAL
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
465.1 MHz	MO	5M16G7D	0.1 W (ERP)	
902.5 MHz	MO	5M16G7D	0.1 W (ERP)	
910 MHz	MO	N0N 10M2F3F 10M1G1N	0.5 W (ERP)	
915 MHz	MO	N0N 26M1F3F 10M2F3F 26M1G1N 26M1G7D 5M16G7D	0.5 W (ERP)	
920 MHz	MO	N0N 10M2F3F 10M1G1N	0.5 W (ERP)	
927.5 MHz	MO	5M16G7D	0.1 W (ERP)	
1277.5 MHz	MO	5M16G7D	0.1 W (ERP)	
1280 MHz	MO	N0N	0.1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1280 MHz	MO	1M10G1N	0.1 W (ERP)	
1290 MHz	MO	N0N 1M10G1N	0.1 W (ERP)	
1292.5 MHz	MO	5M16G7D	0.1 W (ERP)	
2447 MHz	MO	5M16G7D	0.1 W (ERP)	
2450 MHz	MO	N0N 1M10G1N	0.5 W (ERP)	
2462 MHz	MO	N0N 1M10G1N 5M16G7D 22M2G7D	0.5 W (ERP)	
2667.5 MHz	MO	5M16G7D	0.1 W (ERP)	
2670 MHz	MO	N0N 1M10G1N	0.1 W (ERP)	
2680 MHz	MO	N0N	0.1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2680 MHz	MO	1M10G1N	0.1 W (ERP)	
2682.5 MHz	MO	5M16G7D	0.1 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US SPAWAR contract number N66001-10-C-2006. 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.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is George Moynihan (603) 689-8630 and BAE Systems Emergency Services Center - (603) 885-3842.
- (6) Operation is subject to prior coordination with Fixed Microwave operators prior to conducting the tests.
- (7) Licensee must get consent from Education Broadband Services and Broadband Radio Services prior to operating prior to operation on the frequencies from 2667.5MHz to 2682.5MHz.
- (8) Operation is NOT PERMITTED using the frequencies: 222.5 MHz, 262.5 MHz, 350 MHz and 367.5 MHz.