

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XRJ

(Call Sign)

0109-EX-RR-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: Merrimack (HILLSBOROUGH), NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-19

Frequency Information

MOBILE: Merrimack (HILLSBOROUGH), NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
243.3-328.6 MHz	MO	5M00G1W 32K0F7E	0.5 W (ERP)	
1.215-1.27 GHz	MO	5M00G1W 32K0F7E	0.5 W (ERP)	
1.37-1.435 GHz	MO	5M00G1W 32K0F7E	0.5 W (ERP)	

This authorization effective May 31, 2011 and
will expire 3:00 A.M. EST May 31, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Merrimack (HILLSBOROUGH), NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.525-1.559 GHz	MO	5M00G1W 32K0F7E	0.5 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA New England Coordinator, Burlington, MA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA New England Coordinator, Burlington, MA, as necessary to ensure compatibility with existing uses.
- (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) Licensee must notch out the following frequencies +/- 12.5 kHz:
254.250 MHz
255.400 MHz
257.800 MHz
260.900 MHz
263.000 MHz
263.050 MHz
263.100 MHz
307.900 MHz
- (5) Stop Buzzer: George Moynihan at (603) 689-8630 or BAE Systems Emergency Services Center at (603) 885-3842.
- (6) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (7) Under no circumstances should the ERP exceed 0.007 Watts (+/-) 10 MHz of 1227.6 MHz
- (8) The Maximum ERP should be under 0.0001 W for frequency 1215 MHz.
- (9) Operation is NOT permitted using the following frequency bands 228.9-234.5875 MHz, 266.7-279.9 MHz and 335.4-454 MHz.
- (10) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army and DARPA with contract numbers: W911QY-08-D-0015 and W15P7T-06-C-P423. 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.