

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XQG

(Call Sign)

0128-EX-RR-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: Merrimack, NH, within 0.3 km, centered around NL 42-48-29; WL 71-29-21

Frequency Information

MOBILE: Merrimack, NH, within 0.3 km, centered around NL 42-48-29; WL 71-29-21

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 890-915 MHz   | MO            | 300KG7W<br>300KG9W  | 5 W (ERP)        |                           |
| 935-960 MHz   | MO            | 300KG7W<br>300KG9W  | 5 W (ERP)        |                           |
| 1710-1785 MHz | MO            | 300KG7W<br>300KG9W  | 5 W (ERP)        |                           |
| 1805-1880 MHz | MO            | 300KG7W             | 5 W (ERP)        |                           |

This authorization effective July 01, 2012 and  
will expire 3:00 A.M. EST July 01, 2014

**FEDERAL  
COMMUNICATIONS  
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## Frequency Information

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|---------------|---------------|---------------------|------------------|---------------------------|
| 1805-1880 MHz | MO            | 300KG9W             | 5 W (ERP)        |                           |

## Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Operation is subject to prior coordination with Part 22, Part 24, Part 27, Part 90 and Part 101 licensees to avoid interference.
- (5) BAE and DARPA acknowledge that the 1710-1755 MHz band is being transferred to the FCC for next generation cellular phone in the US and will not be available to the DoD within CONUS.
- (6) If any issues regarding interference arise during testing, the stop buzzer point of contact is George Moynihan at (603) 689-8630 and BAE Systems Emergency Services Center at (603) 885-3842.