

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

EXPERIMENTAL

(Nature of Service)

WE2XQG

(Call Sign)

XD MO

(Class of Station)

0300-EX-PL-2007

(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 (Temporary fixed locations), within .3 km centered point, within 0.3 km, centered around NL 42-48-29; WL 71-29-21

Frequency Information

MOBILE: Merrimack, NH (Temporary fixed locations), within .3 km centered point, 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 300KGXW	5 W (ERP)	
935-960 MHz	MO	300KG7W 300KGXW	5 W (ERP)	
1710-1785 MHz	MO	300KG7W 300KGXW	5 W (ERP)	

This authorization effective July 15, 2008 and
will expire 3:00 A.M. EST July 15, 2010

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COMMISSION**



Frequency Information

MOBILE: Merrimack, NH (Temporary fixed locations), within .3 km centered point, within 0.3 km, centered around NL 42-48-29; WL 71-29-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	MO	300KG7W 300KGXW	5 W (ERP)	

Special Conditions:

- (1) 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.
- (2) 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.
- (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 DARPA Contract MDA972-01-9-0019. 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) Operation is subject to prior coordination with Part 22, Part 24, Part 27, Part 90 and Part 101 licensees to avoid interference.
- (6) 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.
- (7) If any issues regarding interference arise during testing, the stop buzzer point of contact is Mr. John Cockerham and his telephone is (603) 885-7123.