

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WF9XCN

(Call Sign)

XT MO

(Class of Station)

0470-EX-ST-2011

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of this experiment is to come up with a more cost efficient and more robust system for the Army than the current Ground Mobile Radio.

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	50 W (ERP)	

This authorization effective August 22, 2011 and
will expire 3:00 A.M. EST February 23, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



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1385 MHz	MO	3M00G7W 1M20G7W 10M0G7W 30M0G7W	50 W (ERP)	

Special Conditions:

- (1) 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.
- (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) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Manoj Mathew at 862-228-4255.
- (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.

Special Conditions:

- (6) BAE Systems will experiment with Ground Mobile Radio Communications as stated in the request.
- (7) BAE Systems must notch out +/- 8 kHz the following frequencies 39.02 MHz and 39.36 MHz.
- (8) Operation is NOT permitted the frequency band 74.6-75.4 MHz,
- (9) The emissions cannot extend below 1370 MHz in this portion of the experiment.
- (10) This license SUPERSEDES the previous issued license with the same callsign and file number: changing the frequency 1350 MHz to 1385 MHz and limiting the emission of the frequency 1385 MHz.