

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

EXPERIMENTAL

(Nature of Service)

WK9XGN

(Call Sign)

XT MO

(Class of Station)

1215-EX-ST-2016

(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:

To demonstrate proof of concept operations as support for the development of a counter-RPG tracking radar for Intelligence and Information Warfare Directorate of the US Army.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18
- (2) MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, Madison, AL, within 3.5 km, centered around NL 34-36-25; WL 86-40-23

Frequency Information

MOBILE: Temporary Fixed Ground Operations, 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 (+/-)
24-24.0005 GHz	MO	N0N 0M50F3N	629 W (ERP)	
24.3995-24.4005 GHz	MO	N0N 1M00F3N	629 W (ERP)	

This authorization effective September 16, 2016 and
will expire 3:00 A.M. EST March 17, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, 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 (+/-)
24.7995-24.8005 GHz	MO	N0N 1M00F3N	629 W (ERP)	

MOBILE: Temporary Fixed Ground Operations Redstone Arsenal, Madison, AL, within 3.5 km, centered around NL 34-36-25; WL 86-40-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-24.0005 GHz	MO	N0N 0M50F3N	629 W (ERP)	
24.3995-24.4005 GHz	MO	N0N 1M00F3N	629 W (ERP)	
24.7995-24.8005 GHz	MO	N0N 1M00F3N	629 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) BAE Systems Information and Electronic Systems Integration Inc. must not operate between 23.6 - 24 GHz.
- (4) The applicant must prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, contract number W56KGU-15-C-0067. 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 contact designated in the related application and enumerated above.
- (6) Stop buzzer, Eric Rundquist 603-809-8960 and Jake Freedman 603-867-1028.