

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

EXPERIMENTAL

(Nature of Service)

WI9XNN

(Call Sign)

XT MO

(Class of Station)

0435-EX-ST-2015

(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 evaluate the Tall Oak system.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Merrimack, NH, within 0.5 km, centered around NL 42-48-28; WL 71-29-12
- (2) MOBILE: Mobile Airborne Operations, Merrimack, NH, within 1 km, centered around NL 42-48-28; WL 71-29-12

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack, NH, within 0.5 km, centered around NL 42-48-28; WL 71-29-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
915 MHz	MO	26M1F3F 26M1G1N 26M1G7D	0.5 W (ERP)	
1710-1785 MHz	MO	N0N 200KG1N	1 W (ERP)	

This authorization effective May 28, 2015 and
will expire 3:00 A.M. EST November 29, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack, NH, within 0.5 km, centered around NL 42-48-28; WL 71-29-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	1M00G1N	1 W (ERP)	
1710-1785 MHz	MO	300KG7W 300KG9W	5 W (ERP)	
1805-1880 MHz	MO	N0N 200KG1N 1M00G1N	1 W (ERP)	
1805-1880 MHz	MO	300KG7W 300KG9W	5 W (ERP)	
2412-2462 MHz	MO	N0N 22M0G7D 1M00G1N 10M0G1N 20M0G1N	1 W (ERP)	
2535 MHz	MO	N0N 10M0G7D 10M0G1N	1 W (ERP)	
2655 MHz	MO	N0N 10M0G7D 10M0G1N	1 W (ERP)	

Frequency Information

MOBILE: Mobile Airborne Operations, Merrimack, NH, within 1 km, centered around NL 42-48-28; WL 71-29-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	N0N 200KG1N 1M00G1N	1 W (ERP)	
1805-1880 MHz	MO	N0N 200KG1N 1M00G1N	1 W (ERP)	
2412-2462 MHz	MO	22M0G7D	1 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The applicant must get consents from the Advanced Wireless Service licensee prior to operation in 1710-1785 MHz band.
- (4) The applicant must obtain consents from the Educational Broadband Services and Broadband Radio Services licensees prior to accessing to 2535 MHz and 2655 MHz.
- (5) The applicant must coordinate with the local Society of Broadcast Engineer frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2412-2462 MHz band.
- (6) Within the 1718.8 - 1722.2 MHz band, BAE Systems must coordinate with the National Radio Astronomy Observatory, Mr. Daniel J. Mertely, 575-835-7128, dmertely@nrao.edu or nrao-rfi@nrao.edu.