

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

EXPERIMENTAL

(Nature of Service)

WH9XVP

(Call Sign)

XT MO

(Class of Station)

0768-EX-ST-2014

(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 test is to demonstrate the interoperability between a base source RF system and remote sources.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.22 km, centered around NL 42-48-40; WL 71-29-17

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.22 km, centered around NL 42-48-40; WL 71-29-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
850 MHz	MO	5M66P0N	0.6 W (ERP)	
955 MHz	MO	5M66P0N	0.7 W (ERP)	
2005 MHz	MO	5M66P0N	3.1 W (ERP)	

This authorization effective October 01, 2014 and
will expire 3:00 A.M. EST April 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.22 km, centered around NL 42-48-40; WL 71-29-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2075 MHz	MO	5M66P0N	3.3 W (ERP)	
2100 MHz	MO	5M66P0N	3.4 W (ERP)	
2670 MHz	MO	5M66P0N	5.5 W (ERP)	
3050 MHz	MO	5M66P0N	7.2 W (ERP)	
4000 MHz	MO	5M66P0N	12.4 W (ERP)	
4200 MHz	MO	5M66P0N	13.6 W (ERP)	
4500 MHz	MO	5M66P0N	15.7 W (ERP)	
4800 MHz	MO	5M66P0N	18.4 W (ERP)	
4910 MHz	MO	5M66P0N	18.7 W (ERP)	
4935 MHz	MO	5M66P0N	18.8 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Merrimack NH, within 0.22 km, centered around NL 42-48-40; WL 71-29-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5260-5920 MHz	MO	5M66P0N	27.1 W (ERP)	
6010 MHz	MO	5M66P0N	27.9 W (ERP)	
6200 MHz	MO	5M66P0N	29.7 W (ERP)	
7100 MHz	MO	5M66P0N	39 W (ERP)	
8020 MHz	MO	5M66P0N	49.8 W (ERP)	
9300-9900 MHz	MO	5M66P0N	74.3 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 notch out the following: 5590 - 5650 MHz.
- (4) Due to existing operations in the area in the below frequency ranges, stop buzzer Mr. George Moynihan, 603-689-8630 and/or alternate, BAE Systems Emergency Services Center, 603-885-3842 must be available at all times during transmission:
 - a. 4430 - 4460 MHz
 - b. 4490 - 4420 MHz
 - c. 9366 - 9374 MHz
- (5) Operation must obtain consents from the Education Broadband Service licensees prior to accessing to 2670 MHz.

Special Conditions:

- (6) BAE Systems Information and Electronic Systems Integration Inc. must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation on 955 MHz, 2075 MHz, 2100 MHz and 7100 MHz.
- (7) BAE Systems Information and Electronic Systems Integration Inc. must coordinate with the Fixed Microwave Service licensees prior to utilizing 4000 MHz and 4200 MHz.
- (8) BAE Systems Information and Electronics System Integration Inc. must provide notification to the Commercial Air-Ground licensee (Gogo) for using the band 800 MHz.
- (9) This license SUPERSEDES the previous issued license with the same callsign and file number: amends the special conditions.