

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

EXPERIMENTAL

(Nature of Service)

WF9XFF

(Call Sign)

XT MO

(Class of Station)

0618-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:

To involve a radar subsystem illuminating various ground targets and background operating on a manned aircraft flying around the test centerpoint.

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground), Pembroke, NH, within 0.1 km, centered around NL 43-11-45; WL 71-28-38
- (2) MOBILE: Airborne Operations, Pembroke, NH, within 12.24 km, centered around NL 43-11-45; WL 71-28-38

Frequency Information

MOBILE: Temporary Fixed Locations (Ground), Pembroke, NH, within 0.1 km, centered around NL 43-11-45; WL 71-28-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626-1660 MHz	MO	18M5F9W 2M40G1D 4M79G1D 9M58G1D	126 W (ERP)	
1760-1840 MHz	MO	18M5F9W	126 W (ERP)	

This authorization effective October 24, 2011 and
will expire 3:00 A.M. EST April 25, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground), Pembroke, NH, within 0.1 km, centered around NL 43-11-45; WL 71-28-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1840 MHz	MO	2M40G1D 4M79G1D 9M58G1D	126 W (ERP)	

MOBILE: Airborne Operations, Pembroke, NH, within 12.24 km, centered around NL 43-11-45; WL 71-28-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365-2445 MHz	MO	18M5F9W 2M40G1D 4M79G1D 9M58G1D	4 W (ERP)	
10.25 GHz	MO	75M0F3N 150MF3N 500MF3N 75M0F3N	50 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers coordinator in the area.
- (4) Operation is subject to prior coordination the frequency band 1626.5-1660 MHz with LightSquared.
- (5) BAE Systems and the project manager needs to be aware that in the future, and in the U.S., operational use of the 1626-1660 MHz and 1760-1840 MHz bands may not be possible if not impossible and they should plan to utilize other frequency bands.

Special Conditions:

- (6) The designated point-of-contact to terminate transmissions if interference occurs is Paul Nuccio at (603) 897-9764 or Jayson Burak at (508) 373-3082.
- (7) Licensee must coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation on 10.25 GHz.
- (8) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses