

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XFL

(Call Sign)

0160-EX-PL-2012

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

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)	
1626-1660 MHz	MO	18M5F9W 2M40G1D 4M79G1D 9M58G1D	77 W (ERP)	

This authorization effective May 30, 2012 and
will expire 3:00 A.M. EST June 01, 2014

**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	18M5F9W 2M40G1D 4M79G1D 9M58G1D	126 W (ERP)	
1760-1840 MHz	MO	18M5F9W 2M40G1D 4M79G1D 9M58G1D	77 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 300MF3N	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.

Special Conditions:

- (3) 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.
- (4) 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.
- (5) 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
- (6) Operation the frequency band 1626-1660 MHz must not interfere with commercial L band MSS earth station or space station transmitters and receivers.