

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XFK

(Call Sign)

0159-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(1) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground), Hudson, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33
- (2) MOBILE: Mobile Operations (Ground), Hudson, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33

Frequency Information

MOBILE: Temporary Fixed Locations (Ground), Hudson, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2365-2445 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	3.16 W (ERP)	
2365-2445 MHz	MO	2M40G1D 4M79G1D 9M58G1D 18M5F9W	4 W (ERP)	

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

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COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground), Hudson, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.25 GHz	MO	500MF3N 150MF3N 75M0F3N 300MF3N	50 W (ERP)	

MOBILE: Mobile Operations (Ground), Hudson, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626-1660 MHz	MO	2M40G1D 4M79G1D 9M58G1D 18M5F9W	3.16 W (ERP)	
1760-1840 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	3.16 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) 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.
- (4) 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.

Special Conditions:

- (5) The designated point-of-contact to terminate transmissions if interference occurs is Rick Ball at (603) 318-6913 or BAE Systems Emergency Services Center at (603) 885-3842.
- (6) Operation the frequency band 1626-1660 MHz must not interfere with commercial L band MSS earth station or space station transmitters and receivers.