

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

EXPERIMENTAL

(Nature of Service)

WF2XUI

(Call Sign)

XT MO

(Class of Station)

0223-EX-PL-2011

(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 Location #1), Victorville, CA, within 1 km, centered around NL 34-39-40; WL 117-24-03
- (2) MOBILE: Airborne Operations, Victorville, CA, within 2 km, centered around NL 34-39-40; WL 117-24-03
- (3) MOBILE: Temporary Fixed Locations (Ground Location #2), Victorville, CA, within 1 km, centered around NL 34-39-09; WL 117-22-24
- (4) MOBILE: Airborne Operations, Victorville, CA, within 1.5 km, centered around NL 34-39-09; WL 117-22-24
- (5) MOBILE: Airborne Operations, Victorville, CA, within 30 km, centered around NL 34-35-51; WL 117-22-59

Frequency Information

MOBILE: Temporary Fixed Locations (Ground Location #1), Victorville, CA, within 1 km, centered around NL 34-39-40; WL 117-24-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	NON	0.63 W (ERP)	
880-915 MHz	MO	NON	4 W (ERP)	

This authorization effective August 03, 2011 and
will expire 3:00 A.M. EST August 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground Location #1), Victorville, CA, within 1 km, centered around NL 34-39-40; WL 117-24-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	N0N	4 W (ERP)	
15.15-15.35 GHz	MO	8M10F1D	2 W (ERP)	
15.15-15.35 GHz	MO	21M4G1D	4 W (ERP)	

MOBILE: Airborne Operations, Victorville, CA, within 2 km, centered around NL 34-39-40; WL 117-24-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7W	100 mW (ERP)	
925-960 MHz	MO	200KG7W	30 W (ERP)	
1710-1785 MHz	MO	200KG7W	100 mW (ERP)	
1805-1880 MHz	MO	200KG7W	30 W (ERP)	
14.4-14.83 GHz	MO	21M4G1D	4.5 W (ERP)	
14.4-14.83 GHz	MO	295MG1D	25 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Locations (Ground Location #2), Victorville, CA, within 1 km, centered around NL 34-39-09; WL 117-22-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	N0N	4 W (ERP)	
880-915 MHz	MO	N0N	0.63 W (ERP)	
1710-1785 MHz	MO	N0N	4 W (ERP)	
15.15-15.35 GHz	MO	8M10F1D	2 W (ERP)	
15.15-15.35 GHz	MO	21M4G1D	4 W (ERP)	

MOBILE: Airborne Operations, Victorville, CA, within 1.5 km, centered around NL 34-39-09; WL 117-22-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7W	100 mW (ERP)	
925-960 MHz	MO	200KG7W	30 W (ERP)	
1710-1785 MHz	MO	200KG7W	100 mW (ERP)	
1805-1880 MHz	MO	200KG7W	30 W (ERP)	

Frequency Information

MOBILE: Airborne Operations, Victorville, CA, within 1.5 km, centered around NL 34-39-09; WL 117-22-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-14.83 GHz	MO	295MG1D	25 W (ERP)	
14.4-14.83 GHz	MO	21M4G1D	4.5 W (ERP)	

MOBILE: Airborne Operations, Victorville, CA, within 30 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7W	100 mW (ERP)	
925-960 MHz	MO	200KG7W	30 W (ERP)	
1710-1785 MHz	MO	200KG7W	100 mW (ERP)	
1824-1827.5 MHz	MO	200KG7W	30 W (ERP)	
1850-1880 MHz	MO	200KG7W	30 W (ERP)	
14.4-14.83 GHz	MO	2M14G1D	4.5 W (ERP)	
14.4-14.83 GHz	MO	295MG1D	25 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) Licensee must get consent from the Advanced Wireless Service licensees prior to operation on 1710-1785 MHz.
- (4) Operation is subject to coordinate with local Society of Broadcast Engineers coordinator prior to operation on 925-960 MHz.
- (5) Operation is subject to coordinate with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation on 925-960 MHz and 1850-1880 MHz.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF/AFMC FA8650-10-C-7044. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Rick Ball at (603) 318-6913.
- (8) Operation is subject to prior coordination with Western Area Frequency Coordinator at (760) 939-0384.