

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE9XSP

(Call Sign)

0061-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 an in flight calibration and verification of a radio direction finding system on an unmanned aircraft at and around the Southern California LogistiCS Airport (SCLA).

Station Locations

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

Frequency Information

MOBILE: Temporary Fixed, 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 (+/-)
15.15-15.35 GHz	MO	8M10F1D	2 W (ERP)	
15.15-15.35 GHz	MO	21M4G1D	4 W (ERP)	

This authorization effective February 15, 2011 and
will expire 3:00 A.M. EST August 16, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed, 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 (+/-)
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 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 200KGXW	100 mW (ERP)	
925-960 MHz	MO	200KG7W 200KGXW	30 W (ERP)	
1710-1785 MHz	MO	200KG7W 200KGXW	100 mW (ERP)	
1824-1827.5 MHz	MO	200KG7W 200KGXW	30 W (ERP)	
1850-1880 MHz	MO	200KGXW 200KG7W	30 W (ERP)	

Frequency Information

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 (+/-)
14.4-14.83 GHz	MO	21M4G1D	4.5 W (ERP)	
14.4-14.83 GHz	MO	295MG1D	25 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d)
- (5) Operation is NOT permitted within +/- 2.5 MHz of the following frequencies: 1760 MHz, 1779 MHz, 1830 MHz, and 1847 MHz
- (6) Operation is subject to prior coordination with Western Area Frequency Coordinator, Mr. Joseph Richardson, 760-939-6948/6832 and comply with any restrictions and scheduling levied.
- (7) Operation is NOT permitted within +/- 14 MHz of the frequency 14686.25 MHz.
- (8) Licensee must get consent from the Advance Wireless Service existing and future licensees.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Government contract number FA8650-10-C-7044. The use of this radio station in 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 after the expiration date of the contract designated in the related application and enumerated above.
- (10) The designated point-of-contact to terminate transmissions if interference occurs is Rick Ball (603) 318-6913, Neil King (603) 566-3869, Mike Silence (949) 496-6468 and Dan Wells (760) 246-3952.
- (11) Operation is NOT permitted on the frequency band 1804-1824 MHz and 1830-1850 MHz due to potential interference to the Justice Department operations.

Special Conditions:

- (12) Operation is NOT permitted on the following frequencies 932.6125 MHz, 932.6625 MHz, 941.6125 MHz and 941.6625 MHz due to potential interference to the Department of Agriculture operations.