

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WF9XDL

(Call Sign)

0524-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 ground check of high power transmit system on a manned aircraft at and around the San Diego/Montgomery Field (MYF) and an in flight verification at and around Coyote Wells, CA.

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground), San Diego, CA, within 1 km, centered around NL 32-48-56; WL 117-08-25
- (2) MOBILE: Airborne Operations, Ocotillo, CA, within 20 km, centered around NL 32-43-50; WL 115-57-18

Frequency Information

MOBILE: Temporary Fixed Locations (Ground), San Diego, CA, within 1 km, centered around NL 32-48-56; WL 117-08-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-430 MHz	MO	NON	6 W (ERP)	
456-460 MHz	MO	NON	6 W (ERP)	

This authorization effective October 05, 2011 and
will expire 3:00 A.M. EST April 06, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground), San Diego, CA, within 1 km, centered around NL 32-48-56; WL 117-08-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476-482 MHz	MO	N0N	6 W (ERP)	
488-494 MHz	MO	N0N	6 W (ERP)	
863-868 MHz	MO	N0N	6 W (ERP)	
895-901 MHz	MO	N0N	6 W (ERP)	
902-921 MHz	MO	N0N	6 W (ERP)	
1700-1709 MHz	MO	N0N	6 W (ERP)	
1790-1849 MHz	MO	N0N	6 W (ERP)	
2200-2290 MHz	MO	N0N	6 W (ERP)	
2291-2299 MHz	MO	N0N	6 W (ERP)	
2305-2309 MHz	MO	N0N	6 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Locations (Ground), San Diego, CA, within 1 km, centered around NL 32-48-56; WL 117-08-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2321-2344 MHz	MO	N0N	6 W (ERP)	
2391-2400 MHz	MO	N0N	6 W (ERP)	
2401-2449 MHz	MO	N0N	6 W (ERP)	
3100-3110 MHz	MO	N0N	6 W (ERP)	

MOBILE: Airborne Operations, Ocotillo, CA, within 20 km, centered around NL 32-43-50; WL 115-57-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-430 MHz	MO	N0N	500 kW (ERP)	
456-460 MHz	MO	N0N	500 kW (ERP)	
476-482 MHz	MO	N0N	500 kW (ERP)	
488-494 MHz	MO	N0N	500 kW (ERP)	
863-868 MHz	MO	N0N	500 kW (ERP)	

Frequency Information

MOBILE: Airborne Operations, Ocotillo, CA, within 20 km, centered around NL 32-43-50; WL 115-57-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
895-901 MHz	MO	N0N	500 kW (ERP)	
902-921 MHz	MO	N0N	500 kW (ERP)	
1700-1709 MHz	MO	N0N	500 kW (ERP)	
1790-1849 MHz	MO	N0N	500 kW (ERP)	
2200-2290 MHz	MO	N0N	500 kW (ERP)	
2291-2299 MHz	MO	N0N	500 kW (ERP)	
2305-2309 MHz	MO	N0N	500 kW (ERP)	
2321-2344 MHz	MO	N0N	500 kW (ERP)	
2391-2400 MHz	MO	N0N	500 kW (ERP)	
2401-2449 MHz	MO	N0N	500 kW (ERP)	

Frequency Information

MOBILE: Airborne Operations, Ocotillo, CA, within 20 km, centered around NL 32-43-50; WL 115-57-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-3110 MHz	MO	NON	500 kW (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 NOT permitted using the following frequency bands: 1150-1201 MHz and 1240 -1350 MHz.
- (5) Operation must NOTCH OUT +/- 300 kHz of the frequency 422 MHz and +/- 100kHz of the frequency 425 MHz.
- (6) The Federal Aviation Administration (FAA) will not support any non-standard system development in the bands that are contrary to the table of frequency allocations.
- (7) BAE Systems must coordinate with Western Area Frequency Coordinator, Mr. Hernandez, 805-989-7985, Michael.hernandez@navy.mil prior to testing at Ocotillo, CA.
- (8) The frequency 1750-1850 MHz is primary federal spectrum and any of use of this band must support federal government contract.
- (9) The designated point-of-contact to terminate transmissions if interference occurs is Brian Egan at (603)718-2305, Brent Forman at (603)809-7308 or Adam Sayer at (603)718-4183.
- (10) Operation is NOT permitted use of any public safety frequencies listed under rule 90.20.