

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

EXPERIMENTAL

(Nature of Service)

WG2XDX

(Call Sign)

XT MO

(Class of Station)

0117-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), 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)	
476-482 MHz	MO	NON	6 W (ERP)	

This authorization effective May 10, 2012 and
will expire 3:00 A.M. EST May 01, 2014

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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 (+/-)
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)	
2305-2309 MHz	MO	N0N	6 W (ERP)	
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)	

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 (+/-)
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)	
895-901 MHz	MO	N0N	500 kW (ERP)	
902-921 MHz	MO	N0N	500 kW (ERP)	
1700-1709 MHz	MO	N0N	500 kW (ERP)	
2305-2309 MHz	MO	N0N	500 kW (ERP)	
2321-2344 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 (+/-)
2391-2400 MHz	MO	N0N	500 kW (ERP)	
2401-2449 MHz	MO	N0N	500 kW (ERP)	
3100-3110 MHz	MO	N0N	500 kW (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) 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.
- (4) Operation is NOT permitted use of any public safety pool frequencies listed under rule 90.20.
- (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 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.
- (9) Operation is NOT PERMITTED using the following frequency bands: 1790-1849 MHz, 2200-2290 MHz, 2291-2299 MHz, 420.5-421.5 MHz, 425.7-425.8 MHz and 428.7- 428.8 MHz.
- (10) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to US Air Force assignments.
- (11) During transmission, aircraft shall not exceed the altitude listed in the circuit remarks field 0120, AGL.