

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

EXPERIMENTAL

(Nature of Service)

WG2XDY

(Call Sign)

XT MO

(Class of Station)

0118-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

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                 | 600 W (ERP)      |                           |
| 863-868 MHz | MO            | NON                 | 600 W (ERP)      |                           |
| 895-901 MHz | MO            | NON                 | 600 W (ERP)      |                           |
| 902-921 MHz | MO            | NON                 | 600 W (ERP)      |                           |

This authorization effective July 20, 2012 and  
will expire 3:00 A.M. EST August 01, 2014

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|---------------|---------------|---------------------|------------------|---------------------------|
| 1700-1709 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 1790-1792 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 1798-1807 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 1813-1849 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2200-2290 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2291-2299 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2305-2309 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2321-2344 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2391-2400 MHz | MO            | N0N                 | 600 W (ERP)      |                           |
| 2401-2449 MHz | MO            | N0N                 | 600 W (ERP)      |                           |

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|---------------|---------------|---------------------|------------------|---------------------------|
| 3100-3110 MHz | MO            | NON                 | 600 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) Operation is NOT permitted use of any public safety frequencies listed under rule 90.20.
- (4) Operation must NOTCH OUT +/- 300 kHz of the frequency 422 MHz and +/- 100kHz of the frequency 425 MHz.
- (5) 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.
- (6) BAE Systems must coordinate with Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any operations and also comply with all restrictions and scheduling that may be levied by the WAFC.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Brent Forman at (603) 809-7308, Brian Egan at (603) 718-2305 or Adam Sayer at (603) 718-4183.
- (8) Operation is NOT permitted using the following frequency bands 1792-1798 MHz and 1807-1813 MHz.
- (9) BAE Systems Company needs to be aware that in the future, and in the U.S., operational use of 1760-1840 MHz bands may not be possible if not impossible and they should plan to utilize other frequency bands.
- (10) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to US Navy and Marine Corps operations assignments.