

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

EXPERIMENTAL

(Nature of Service)

WF2XVX

(Call Sign)

XD      FX

(Class of Station)

0304-EX-PL-2011

(File Number)

NAME Raytheon Network Centric Systems

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) Fullerton (ORANGE), CA - NL 33-52-54; WL 117-57-09

Frequency Information

Fullerton (ORANGE), CA - NL 33-52-54; WL 117-57-09

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 9300-10000 MHz | FX            |                     | 20480 W (ERP)    |                           |
|                |               | 21M8Q3N             |                  |                           |
|                |               | 27M0Q3N             |                  |                           |
|                |               | 424KP0N             |                  |                           |
|                |               | 6M36P0N             |                  |                           |
|                |               | 21M9Q1N             |                  |                           |

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) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Alan Moore at 714-686-3129.

This authorization effective October 07, 2011 and  
will expire 3:00 A.M. EST October 07, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Special Conditions:

- (4) The Department of the Navy (DON) concurs with the Prototype Radar Demonstration provided Raytheon obtain coordination from the Western Area Frequency Coordinator (760) 939-6948/1532 prior to the demonstration and agree to any scheduling conditions.
- (5) The Air Force concurs with the Demonstration provided Raytheon do the following:  
Sector blanking for sector 240 to 250 degrees.