

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

EXPERIMENTAL

(Nature of Service)

WF2XLE

(Call Sign)

XD FX MO

(Class of Station)

0265-EX-PL-2010

(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) Fort Wayne (ALLEN), IN - NL 41-07-15; WL 85-09-55; MOBILE: Fort Wayne (ALLEN), IN, within 40 km, centered around NL 41-07-15; WL 85-09-55
- (2) Fullerton (ORANGE), CA - NL 33-52-53; WL 117-57-20; MOBILE: Fullerton (ORANGE), CA, within 40 km, centered around NL 33-52-53; WL 117-57-20
- (3) McKinney (COLLIN), TX - NL 33-14-26; WL 96-40-22; MOBILE: McKinney (COLLIN), TX, within 40 km, centered around NL 33-14-26; WL 96-40-22
- (4) Marlborough (MIDDLESEX), MA - NL 42-21-07; WL 71-20-26; MOBILE: Marlborough (MIDDLESEX), MA, within 40 km, centered around NL 42-21-07; WL 71-20-26
- (5) Largo (PINELLAS), FL - NL 27-55-12; WL 82-47-06; MOBILE: Largo (PINELLAS), FL, within 40 km, centered around NL 27-55-12; WL 82-47-06

Frequency Information

Fort Wayne (ALLEN), IN - NL 41-07-15; WL 85-09-55; MOBILE: Fort Wayne (ALLEN), IN, within 40 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	5 W (ERP)	
1927.4 MHz	MO	5M00F8W	5 W (ERP)	

This authorization effective June 15, 2010 and
will expire 3:00 A.M. EST June 15, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Fort Wayne (ALLEN), IN - NL 41-07-15; WL 85-09-55; MOBILE: Fort Wayne (ALLEN), IN, within 40 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2112.6 MHz	MO	5M00F8W	5 W (ERP)	
2117.4 MHz	MO	5M00F8W	5 W (ERP)	

Fullerton (ORANGE), CA - NL 33-52-53; WL 117-57-20; MOBILE: Fullerton (ORANGE), CA, within 40 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	5 W (ERP)	
1927.4 MHz	MO	5M00F8W	5 W (ERP)	
2112.6 MHz	MO	5M00F8W	5 W (ERP)	
2117.4 MHz	MO	5M00F8W	5 W (ERP)	

McKinney (COLLIN), TX - NL 33-14-26; WL 96-40-22; MOBILE: McKinney (COLLIN), TX, within 40 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	5 W (ERP)	

Frequency Information

McKinney (COLLIN), TX - NL 33-14-26; WL 96-40-22; MOBILE: McKinney (COLLIN), TX, within 40 km, centered around NL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1927.4 MHz	MO	5M00F8N	5 W (ERP)	
2112.6 MHz	MO	5M00F8W	5 W (ERP)	
2117.4 MHz	MO	5M00F8W	5 W (ERP)	

Marlborough (MIDDLESEX), MA - NL 42-21-07; WL 71-20-26; MOBILE: Marlborough (MIDDLESEX), MA, within 40 km, centered around NL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8W	5 W (ERP)	
1927.4 MHz	MO	5M00F8W	5 W (ERP)	
2112.6 MHz	MO	5M00F8W	5 W (ERP)	
2117.4 MHz	MO	5M00F8W	5 W (ERP)	

Frequency Information

Largo (PINELLAS), FL - NL 27-55-12; WL 82-47-06; MOBILE: Largo (PINELLAS), FL, within 40 km, centered around NL 27-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1922.6 MHz	MO	5M00F8N	5 W (ERP)	
1927.4 MHz	MO	5M00F8W	5 W (ERP)	
2112.6 MHz	MO	5M00F8W	5 W (ERP)	
2117.4 MHz	MO	5M00F8W	5 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Licensee should get consent from existing and future Advance Wireless Services licensees.
- (6) Operation is subject to prior coordination with Fixed Microwave licensees.