

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

EXPERIMENTAL

(Nature of Service)

WE9XQZ

(Call Sign)

XD FX MO

(Class of Station)

0550-EX-ST-2011

(File Number)

NAME Raytheon Network Centric systems

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:

Testing

Station Locations

- (1) Fort Wayne (ALLEN), IN - NL 41-07-12; WL 85-10-15; MOBILE: Fort Wayne (ALLEN), IN, within 10 km, centered around NL 41-07-12; WL 85-10-15

Frequency Information

Fort Wayne (ALLEN), IN - NL 41-07-12; WL 85-10-15; MOBILE: Fort Wayne (ALLEN), IN, within 10 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	1M20G2D	6 W (ERP)	
420-450 MHz	FX	1M20G2D	6 W (ERP)	

This authorization effective November 02, 2011 and
will expire 3:00 A.M. EST April 04, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government contract number H92236-10-C-0006. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) No operation is PERMITTED to transmit in any public safety frequencies listed under Part 90.20.
- (6) Raytheon and the Project Managers must be made aware that the band 420-450 MHz is for radar use and land mobile will not be allowed in the United States.
- (7) NTIA recommends that this system be developed in the 225-399.9 MHz band or 4400-4940 MHz band.