

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

EXPERIMENTAL

(Nature of Service)

WF2XFB

(Call Sign)

XD FX MO

(Class of Station)

0393-EX-PL-2009

(File Number)

NAME Raytheon NCS

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) Salt Lake City, UT - NL 40-47-01; WL 111-57-12; MOBILE: Salt Lake City, UT, within 1 km

Frequency Information

Salt Lake City, UT - NL 40-47-01; WL 111-57-12; MOBILE: Salt Lake City, UT, within 1 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14400-14925 MHz	MO	21M4G1D 42M8G1D 89M5G1D	24 W (ERP)	0.3 %
15150-15350 MHz	FX	64M0G1D 8M00G1D	234 W (ERP)	0.3 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective January 04, 2010 and
will expire 3:00 A.M. EST January 04, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Licensee must coordinate before operating in the 14400-14925 MHz frequency band with the National Academy of Sciences (NSF) to protect the radio astronomy service from harmful interference.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Navy contract N00024-05-C5346. 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.