

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

EXPERIMENTAL

(Nature of Service)

WF2XYH

(Call Sign)

XD FX MO

(Class of Station)

0036-EX-TC-2013

(File Number)

NAME Raytheon Space and Airborne 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) Amboy (SAN BERNARDINO), CA - NL 34-33-28; WL 118-44-37; MOBILE: Amboy (SAN BERNARDINO), CA, within 50 km, centered around NL 34-33-28; WL 118-44-37
- (2) MOBILE: Fullerton, CA, within 30 km, centered around NL 33-52-47; WL 117-57-18
- (3) MOBILE: Palmdale, CA, within 30 km, centered around NL 34-34-44; WL 118-05-59
- (4) MOBILE: China Lake, CA, within 30 km, centered around NL 35-45-52; WL 117-38-18
- (5) MOBILE: Fort Wayne, IN, within 30 km, centered around NL 41-07-12; WL 85-10-15

Frequency Information

Amboy (SAN BERNARDINO), CA - NL 34-33-28; WL 118-44-37; MOBILE: Amboy (SAN BERNARDINO), CA, within 50 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	MO	1M20X7D	7 W (ERP)	
470-698 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

This authorization effective August 26, 2013 and
will expire 3:00 A.M. EST October 17, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Fullerton, CA, within 30 km, centered around NL 33-52-47; WL 117-57-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-698 MHz	MO	1M20X7D	7 W (ERP)	
470-608 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

MOBILE: Palmdale, CA, within 30 km, centered around NL 34-34-44; WL 118-05-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-698 MHz	MO	1M20X7D	7 W (ERP)	
470-608 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

MOBILE: China Lake, CA, within 30 km, centered around NL 35-45-52; WL 117-38-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	MO	1M20X7D	7 W (ERP)	

Frequency Information

MOBILE: China Lake, CA, within 30 km, centered around NL 35-45-52; WL 117-38-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-698 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

MOBILE: Fort Wayne, IN, within 30 km, centered around NL 41-07-12; WL 85-10-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
471-698 MHz	MO	1M20X7D	7 W (ERP)	
471-608 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.
- (5) Operation is NOT PERMITTED using the frequency band 608-614 MHz.