

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WF2XYH

(Call Sign)

0389-EX-TC-2019

(File Number)

NAME Raytheon Company

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(j) 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)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

This authorization effective January 23, 2020 and
will expire 3:00 A.M. EST November 01, 2021

**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 (+/-)
470-608 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 (+/-)
470-608 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)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

Frequency Information

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 (+/-)
471-608 MHz	MO	1M20X7D	7 W (ERP)	
614-698 MHz	MO	1M20X7D	7 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (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) 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.
- (5) Operation is NOT PERMITTED using the frequency band 608-614 MHz.