

**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)

0422-EX-RR-2015

(File Number)

NAME Raytheon SAS

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 November 01, 2015 and  
will expire 3:00 A.M. EST November 01, 2017

**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 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](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation is NOT PERMITTED using the frequency band 608-614 MHz.