

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

EXPERIMENTAL

(Nature of Service)

WC9XLI

(Call Sign)

XD      FX MO

(Class of Station)

0081-EX-ML-2010

(File Number)

NAME Raytheon Systems (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(i) of the Commission's Rules

Station Locations

- (1) CHINA LAKE NAWC, CA - NL 35-41-05; WL 117-40-45; MOBILE: China Lake NAWC, CA, at an altitude of 5000 ft to 35000 ft, within 250 km, centered around NL 35-41-05; WL 115-40-45
- (2) LAX AIRPORT, CA - NL 33-56-17; WL 118-25-16; MOBILE: LAX Airport, Los Angeles, CA, at an altitude of 5000 ft to 35000 ft, within 250 km, centered around NL 33-56-17; WL 118-25-16
- (3) EL SEGUNDO (LOS ANGELES), CA - NL 33-55-44; WL 118-23-33

Frequency Information

CHINA LAKE NAWC, CA - NL 35-41-05; WL 117-40-45; MOBILE: China Lake NAWC, CA, at an altitude of 5000 ft to 35000 f

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 15.7-17.3 GHz | MO            | 1G42Q1N             | 190 kW (ERP)     |                           |

This authorization effective June 23, 2010 and  
will expire 3:00 A.M. EST June 23, 2012

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

LAX AIRPORT, CA - NL 33-56-17; WL 118-25-16; MOBILE: LAX Airport, Los Angeles, CA, at an altitude of 5000 ft to 35000 ft

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 15.7-17.3 GHz | MO            | 1G42Q1N             | 190 kW (ERP)     |                           |

EL SEGUNDO (LOS ANGELES), CA - NL 33-55-44; WL 118-23-33

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 15.7-17.3 GHz | FX            | 1G42Q1N             | 190 kW (ERP)     |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.