

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WH2XGQ

(Call Sign)

0444-EX-PL-2014

(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) Sunnyvale (SANTA CLARA), CA - NL 37-22-50; WL 122-02-06

Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-22-50; WL 122-02-06

| Frequency    | Station Class | Emission Designator                  | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|--------------------------------------|------------------|---------------------------|
| 11749 MHz    | FX            | N0N<br>1M64G7D                       | 2.04 kW (ERP)    |                           |
| 11750.75 MHz | FX            | N0N<br>1M64G7D<br>1M64G7D<br>1M64G7D | 2.04 kW (ERP)    |                           |
| 14049 MHz    | FX            | N0N<br>1M64G7D                       | 513 kW (ERP)     |                           |

This authorization effective March 31, 2015 and  
will expire 3:00 A.M. EST April 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-22-50; WL 122-02-06

| Frequency    | Station<br>Class | Emission<br>Designator | Authorized<br>Power | Frequency<br>Tolerance (+/-) |
|--------------|------------------|------------------------|---------------------|------------------------------|
| 14050.75 MHz | FX               | N0N<br>1M64G7D         | 513 kW (ERP)        |                              |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) POINT OF COMMUNICATION: GALAXY 18 Satellite