

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WH2XQU

(Call Sign)

0195-EX-CR-2019

(File Number)

NAME Raytheon Missile 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(j) of the Commission's Rules

Station Locations

(1) Point Loma (SAN DIEGO), CA - NL 32-40-03; WL 117-14-26

Frequency Information

Point Loma (SAN DIEGO), CA - NL 32-40-03; WL 117-14-26

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16200-17800 MHz | FX            | NON                 | 14.3 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Proposed operation in the 17.3-17.7 GHz band must be prior coordinated with the satellite commercial licensees listed:  
[http://licensing.fcc.gov/cgi-bin/ws.exe/prod/ib/forms/reports/swr014b.htm?as\\_subsystem\\_code=SAT&column=ADDRESS.address\\_nameC/Name&fstate=1/CU](http://licensing.fcc.gov/cgi-bin/ws.exe/prod/ib/forms/reports/swr014b.htm?as_subsystem_code=SAT&column=ADDRESS.address_nameC/Name&fstate=1/CU)

This authorization effective May 01, 2019 and  
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (5) Emissions shall not be pointed in the direction of San Diego International Airport to avoid interference with FAA operations.
- (6) Raytheon must be made aware that while this test could be supported due to the location and directionality of the radiation, wide spread use of this system will be difficult or impossible to support due to the need to protect a critical FAA safety systems that operates in a portion of this frequency range.
- (7) Raytheon Missile Systems must coordinate with (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations to mitigate harmful interference to Navy and Marine Corps assignments. Raytheon Missile Systems must also comply with any and all restrictions that may be levied by WAFC.
- (8) Stop buzzer is Jim Ortega at (520) 794-0227.
- (9) Transmissions are only allowed between 180-270 degrees reference to True North.