

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XQN

(Call Sign)

0146-EX-CR-2018

(File Number)

NAME Raytheon IIS

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) MOBILE: operation on Raytheon test range, within 0.6 km, centered around NL 39-47-29; WL 86-03-34

Frequency Information

MOBILE: operation on Raytheon test range, within 0.6 km, centered around NL 39-47-29; WL 86-03-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2316 MHz	MO	8M00G1D 8M00D1D	2 W (ERP)	
2345-2507 MHz	MO	22M0G1D 33M1D1D	2 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.

This authorization effective April 30, 2018 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Operation is subject to prior coordination with Globalstar MSS receivers operate in the 2483.5-2500 MHz band.
- (6) Operation is subject to consent of WCS (2305-2320 MHz/ 2345-2360 MHz) licensees within 25 miles of the location of the test.
- (7) Obtain consent from the EBS/BRS licensees prior to accessing to 2500-2507 MHz.
- (8) Coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2450-2500 MHz.