

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

EXPERIMENTAL

(Nature of Service)

WL2XQL

(Call Sign)

XC MO

(Class of Station)

0244-EX-CN-2021

(File Number)

NAME Raytheon Company (Missiles and Defense - M)

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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Great Salt Lake Dese, UT, within 200 km, centered around NL 40-34-09; WL 113-36-59
- (2) MOBILE: Santa Barbara, CA, within 100 km, centered around NL 34-24-49; WL 119-44-13
- (3) MOBILE: Utah, Nevada and California

Frequency Information

MOBILE: Great Salt Lake Dese, UT, within 200 km, centered around NL 40-34-09; WL 113-36-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (ERP)	

MOBILE: Santa Barbara, CA, within 100 km, centered around NL 34-24-49; WL 119-44-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4206.75 MHz	MO	13M5F3N	9.02 W (ERP)	

This authorization effective August 02, 2021 and
will expire 3:00 A.M. EST August 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Santa Barbara, CA, within 100 km, centered around NL 34-24-49; WL 119-44-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4393.25 MHz	MO	13M5F3N	9.02 W (ERP)	

MOBILE: Utah, Nevada and California

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (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) 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number 700C050017000. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) Stop buzzer POC is Jim Ortega at 520-794-0227 and Daniel R Hopcus at 520-794-4764.