

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

EXPERIMENTAL

(Nature of Service)

WJ2XIL

(Call Sign)

XC FX MO

(Class of Station)

0222-EX-CR-2020

(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(c) of the Commission's Rules

Station Locations

- (1) Yuma (YUMA), AZ - NL 33-03-35; WL 113-58-37
- (2) MOBILE: Yuma, AZ. Airborne up to 18000 ft within 10 miles of range, within 16 km, centered around NL 33-03-35; WL 113-58-37
- (3) Truth or Consequence (SIERRA), NM - NL 32-59-09; WL 106-58-06
- (4) MOBILE: SIERRA, NM. Airborne up to 18000 ft within 10 miles site, within 16 km, centered around NL 32-59-09; WL 106-58-06

Frequency Information

Yuma (YUMA), AZ - NL 33-03-35; WL 113-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	FX	16K0F1D	154 mW (ERP)	

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Yuma, AZ. Airborne up to 18000 ft within 10 miles of range, within 16 km, centered around NL 33-03-35; WL 113-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	MO	16K0F1D	40 mW (ERP)	

Truth or Consequence (SIERRA), NM - NL 32-59-09; WL 106-58-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	FX	16K0F1D	154 mW (ERP)	

MOBILE: SIERRA, NM. Airborne up to 18000 ft within 10 miles site, within 16 km, centered around NL 32-59-09; WL 106-58-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	MO	16K0F1D	40 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) 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 HR0011-15-C-0081. 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.

Special Conditions:

- (5) In the NM area:
Raytheon shall coordinate all operations through the appropriate Spaceport America Operations POC listed below. Spaceport America, in turn, will coordinate the spectrum requirements with White Sands Missile Range (WSMR), through the WSMR Spaceport America liaison. This will ensure that spectrum operations are directly de-conflicted with WSMR operations, and indirectly de-conflicted with any other DoD operations within the region.
William M. Gutman, Ph.D.
Vice President of Aerospace Operations
bill.gutman@spaceportamerica.com
Spaceport America
901 E. University Ave, Suite 965L
Las Cruces, NM 88001
P (575) 267-8555
M (575) 520-5433
- (6) In the AZ area:
a. Intended use for Yuma Proving Ground (YPG) requires coordination with the YPG Spectrum Management Officer no less than 7 days prior to intended use;
Steve Sparks
YPG SMO
Comm: (928) 328-7144
E-mail: steven.d.sparks.civ@mail.mil
b. Intended use within Arizona, but not the YPG confines requires coordination with the DoD AFC AZ no less than 7 days prior to intended use;
Mark Rossow
Chief, DoD AFC AZ
Tel: (520) 538-6423
DSN: 879-6423
E-mail: mark.k.rossow.civ@mail.mil
- (7) Stop buzzer point of contact is Jim Ortega at (520) 794-0227.