

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

EXPERIMENTAL

(Nature of Service)

WL2XBJ

(Call Sign)

XC MO

(Class of Station)

0208-EX-CM-2021

(File Number)

NAME Raytheon Company (Missiles & 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: Anchorage, AK., within 200 km, centered around NL 61-10-34; WL 149-59-24
- (2) MOBILE: Elephant Butte, AZ, within 16 km, centered around NL 33-20-07; WL 111-26-40
- (3) MOBILE: Truth or Consequence, NM, within 16 km, centered around NL 32-55-46; WL 107-17-48
- (4) MOBILE: Lake Havasu City, AZ. flights over lake and desert, within 16 km, centered around NL 34-29-28; WL 114-21-45
- (5) MOBILE: Willcox, AZ. operations cover various topographies in AZ, within 120 km, centered around NL 32-26-04; WL 110-16-07

Frequency Information

MOBILE: Anchorage, AK., within 200 km, centered around NL 61-10-34; WL 149-59-24

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

This authorization effective October 04, 2021 and
will expire 3:00 A.M. EST July 01, 2022

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COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Elephant Butte, AZ, within 16 km, centered around NL 33-20-07; WL 111-26-40

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

MOBILE: Truth or Consequence, NM, within 16 km, centered around NL 32-55-46; WL 107-17-48

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

Special Conditions:

- (4) Raytheon Missile Systems must adhere to the following:
 - a. For operations at Truth or Consequence, NM, NL 32-55-46; WL 107-17-48, Raytheon must coordinate operations with the DoDAFC (WSMR), at least 96 hours prior to activation, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil
 - b. If operations require access to the nearby WSMR Restricted airspaces R-5111C, or R-5111D, Raytheon must coordinate for their use, at least 96 hours prior to activation, by calling WSMR Range Control at 575- 678-2221. This will also require Raytheon to obtain a WSMR Range sponsor, with whom Raytheon must schedule their operations as a WSMR Range Mission.
- (5) 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.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Jim Ortega at (520) 794-0227.