

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

EXPERIMENTAL
(Nature of Service)

XD MO
(Class of Station)

WO2XYS
(Call Sign)

0502-EX-CR-2026
(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(j k) of the Commission's Rules

Station Locations

(1) MOBILE: Hollister, CA, within 5 km, centered around NL 37-01-50; WL 121-34-10

Frequency Information

MOBILE: Hollister, CA, within 5 km, centered around NL 37-01-50; WL 121-34-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9010 MHz	MO	4M70Q3N 7M10Q3N 18M0W8N	1294 kW (ERP)	0.001 %
9190 MHz	MO	4M70Q3N 7M10Q3N 18M0W8N	1294 kW (ERP)	0.001 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective August 01, 2026 and
will expire 3:00 A.M. EST August 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Special Conditions:

- (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) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (5) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (6) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (7) The designated point-of-contacts to terminate transmissions if interference occurs are Michael Dubois at (508) 353-6317; Eric Knapp at (413) 404-4470.
- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (9) Operations will be in accordance with the following restrictions:
 - a) PRR = 3.521K pps
 - b) Pulse Duration = 61 usec
 - c) Radius of operation = 5 kilometers