

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

EXPERIMENTAL
(Nature of Service)

XT MO
(Class of Station)

WG2XDL
(Call Sign)

0397-EX-CR-2026
(File Number)

NAME The Boeing 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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Mobile Ground and Air Testing, Fallon, NV, within 248 km, centered around NL 39-25-16; WL 118-42-38
- (2) MOBILE: Mobile Ground and Air Testing, White Sands, NM, within 248 km, centered around NL 33-27-03; WL 108-12-38
- (3) MOBILE: Mobile Ground and Air Testing, Flagstaff, AZ, within 248 km, centered around NL 35-08-22; WL 111-40-20

Frequency Information

MOBILE: Mobile Ground and Air Testing, Fallon, NV, within 248 km, centered around NL 39-25-16; WL 118-42-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.7145-15.1365 GHz	MO	40M0G2W 320MG2W	2259 W (ERP)	

MOBILE: Mobile Ground and Air Testing, White Sands, NM, within 248 km, centered around NL 33-27-03; WL 108-12-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.7145-15.1365 GHz	MO	40M0G2W	2259 W (ERP)	

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

FEDERAL
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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) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to FAA, Navy, and Air Forces operations.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Military with contract number as showing in exhibit. 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) The designated point-of-contact to terminate transmissions if interference occurs is Randy Rothe at 206-940-6906.
- (6) Operations are not primary in accordance with allocations. It maybe denied when U.S. system request operational station classes.
- (7) All operations are on a non-interference basis (NIB) and shall not cause harmful interference to, or claim protection from, any other lawfully operating stations.
- (8) To ensure that TDRSS uplink and return link receivers are protected from harmful interference, The Boeing Company shall not point any transmit antenna boresight within +/- 15 degrees of the geostationary arc from 41°W to 174°W.
- (9) Upon notification from the FCC, oepration on this assignment is subject to immediate cessation, if it causes harmful interference to NASA operations space (TDRSS) assignments.

Special Conditions:

- (10) Operation is subject to prior coordination with the area frequency coordinator located at White Sands Missile Range, New Mexico, prior to use in the state of New Mexico or other US territory within a 240-kilometer radius of WSMR plus the area of Utah and Colorado that lies South of 41 North and between 108 and 111 West.