

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

EXPERIMENTAL

(Nature of Service)

WI2XWH

(Call Sign)

XT MO

(Class of Station)

0278-EX-CR-2021

(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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Under 20,000ft AGL, Mesa, AZ, within 242 km, centered around NL 33-28-18; WL 111-43-25
- (2) MOBILE: Under 20,000ft AGL, Ridley Park, PA, within 242 km, centered around NL 39-51-36; WL 75-19-15

Frequency Information

MOBILE: Under 20,000ft AGL, Mesa, AZ, within 242 km, centered around NL 33-28-18; WL 111-43-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	12M0G2D	250 mW (ERP)	
2236.5 MHz	MO	12M0G2D	250 mW (ERP)	
2266.5 MHz	MO	12M0G2D	250 mW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Under 20,000ft AGL, Mesa, AZ, within 242 km, centered around NL 33-28-18; WL 111-43-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2296.5 MHz	MO	12M0G2D	250 mW (ERP)	

MOBILE: Under 20,000ft AGL, Ridley Park, PA, within 242 km, centered around NL 39-51-36; WL 75-19-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206.5 MHz	MO	12M0G2D	250 mW (ERP)	
2236.5 MHz	MO	12M0G2D	250 mW (ERP)	
2266.5 MHz	MO	12M0G2D	250 mW (ERP)	
2296.5 MHz	MO	12M0G2D	250 mW (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) Stop Buzzer, Robert McConnel 610-529-5367 and Daniel McNeil 714-642-7485.
- (4) Prior to activation, the applicant must coordinate with NASA.
- (5) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA assignments.

Special Conditions:

- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, contract number W58RGZ-14-D-0075. 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 contact designated in the related application and enumerated above.
- (7) Notification shall be provided to the NASA GSFC Spectrum Management Office (NASA-DL-GSFC-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV), at least 3 days prior to operation.
- (8) This assignment is on a non-interference basis to the operations of NASA ground station on the same or adjacent channel and no protection can be afforded by that agency.