

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

EXPERIMENTAL

(Nature of Service)

WI2XLM

(Call Sign)

XT MO

(Class of Station)

0227-EX-CR-2018

(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: St. Louis, MO, within 1 km, centered around NL 38-46-08; WL 90-23-20

Frequency Information

MOBILE: St. Louis, MO, within 1 km, centered around NL 38-46-08; WL 90-23-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14470 MHz	MO	135MG1D	27868 W (ERP)	0.0000235 %

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) The designated point-of-contact to terminate the system if interference occurs is Thomas Rogers 314-232-5840/314-705-2673.
- (4) Prior to operation, licensee must coordinate with stations authorized to operate in these frequency bands that are located within a within a 25 mile radius of the transmitter.

This authorization effective August 01, 2018 and
will expire 3:00 A.M. EST August 01, 2020

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COMMISSION**



Special Conditions:

- (5) Boeing must be aware that the frequency range 14700 -15000 MHz is internationally allocated to Radio Astronomy on a secondary basis s. US footnote 203,US footnote 342 and note 5.149 in the table of allocations require that all practicable efforts be made to protect Radio Astronomy observations at the identified facilities.
- (6) Licensee must avoid pointing the transmitting antenna within 15 degrees of any point on the geostationary orbit arc while transmitting signals in the 14402.5-14537.5 MHz band