

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WL2XFW

(Call Sign)

0754-EX-CN-2020

(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: Maximum Flight Level of 5000 Feet, US, US

Frequency Information

MOBILE: Maximum Flight Level of 5000 Feet, US, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	9M11G7D 9M09W7D 2M73W7D	0.61 W (ERP)	
777-787 MHz	MO	8M97G7D 9M01W7D	0.61 W (ERP)	
814-849 MHz	MO	14M2G7D 14M5W7D 3M03W7D	1.17 W (ERP)	

This authorization effective November 02, 2020 and
will expire 3:00 A.M. EST November 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Maximum Flight Level of 5000 Feet, US, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	4M12F9W	0.61 W (ERP)	
1710-1780 MHz	MO	18M3G7D 18M5W7D	0.61 W (ERP)	
1850-1910 MHz	MO	4M14F9W 18M5G7D 18M5W7D	0.61 W (ERP)	
2496-2690 MHz	MO	18M5G7D 18M5W7D 14M5W7D 37M7G7D 37M9W7D	1.17 W (ERP)	
2500-2570 MHz	MO	18M5G7D 18M5W7D 4M50G7D 4M50W7D 37M5G7D 37M7W7D	1.17 W (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.

Special Conditions:

- (3) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
- 700 MHz Lower Band "A" block licensees (698-704 MHz/728-734 MHz)
 - 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
 - 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
 - 700 MHz Upper Band "C" block (746-757 MHz and 776-787 MHz) licensee (Verizon) and/or lessees
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (4) Stop buzzer: Matt Moser at 425-210-8576.
- (5) Prior to commencing any operations in the 2496 – 2690 MHz frequency band, the applicant must notify the licensees operating in the 2483.5 – 2500 MHz frequency band listed below of its test dates and provide a stop buzzer in case of interference:
- Name: GUSA Licensee LLC Phone Number: 985-335-1503
E-Mail: Barbee.Ponder@Globalstar.com
Attention: Mr. L. Barbee Ponder IV
- Name: Stephen J. Berman Phone Number: 202-777-7700
E-Mail: sberman@lawlermetzger.com
Attention: Steve Berman Relationship: Legal Counsel
- (6) Licensee must obtain consent from the Advanced Wireless Service licensees in each proposed area prior to accessing to the frequency range from 1710 MHz to 1780 MHz.
- (7) Licensee must obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees in each proposed location prior to accessing to the frequency range from 2496 MHz to 2690 MHz.
- (8) Operations within 200 km of White Sands Missile Range, NM centered at 332000N 1062500W must be coordinated with the DoD-AFC, at least 96 hours prior to activation via email at US Army
WSMR.IMCOM-CENTRAL.LIST.DODAF(AT)MAIL.MIL