

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WL2XVN

(Call Sign)

0467-EX-CN-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(i) of the Commission's Rules

Station Locations

(1) San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500 MHz	FX	10M0P0N	1 W (ERP)	
550 MHz	FX	10M0P0N	1 W (ERP)	
600 MHz	FX	10M0P0N	1 W (ERP)	
650 MHz	FX	10M0P0N	1 W (ERP)	

This authorization effective June 24, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700 MHz	FX	10M0P0N	1 W (ERP)	
750 MHz	FX	10M0P0N	1 W (ERP)	
800 MHz	FX	10M0P0N	1 W (ERP)	
850 MHz	FX	10M0P0N	1 W (ERP)	
918 MHz	FX	10M0P0N	1 W (ERP)	
950 MHz	FX	10M0P0N	1 W (ERP)	
1545 MHz	FX	10M0P0N	1 W (ERP)	
1640 MHz	FX	10M0P0N	1 W (ERP)	
1740 MHz	FX	10M0P0N	1 W (ERP)	
1845 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1995 MHz	FX	10M0P0N	1 W (ERP)	
2036 MHz	FX	10M0P0N	1 W (ERP)	
3000.5 MHz	FX	10M0P0N	1 W (ERP)	
3161 MHz	FX	10M0P0N	1 W (ERP)	
3170-3240 MHz	FX	10M0P0N	1 W (ERP)	
3386 MHz	FX	10M0P0N	1 W (ERP)	
4430 MHz	FX	10M0P0N	1 W (ERP)	
4950 MHz	FX	10M0P0N	1 W (ERP)	
5300 MHz	FX	10M0P0N	1 W (ERP)	
5310 MHz	FX	10M0P0N	1 W (ERP)	
5340 MHz	FX	10M0N0N	1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5340 MHz	FX	10M0N0N	1 W (ERP)	
5370 MHz	FX	10M0P0N	1 W (ERP)	
5400 MHz	FX	10M0P0N	1 W (ERP)	
5430 MHz	FX	10M0P0N	1 W (ERP)	
5460 MHz	FX	10M0P0N	1 W (ERP)	
5490 MHz	FX	10M0P0N	1 W (ERP)	
5520 MHz	FX	10M0P0N	1 W (ERP)	
5550 MHz	FX	10M0P0N	1 W (ERP)	
5560 MHz	FX	10M0P0N	1 W (ERP)	
5600 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5610 MHz	FX	10M0P0N	1 W (ERP)	
5640 MHz	FX	10M0P0N	1 W (ERP)	
5800 MHz	FX	10M0P0N	1 W (ERP)	
5880 MHz	FX	10M0P0N	1 W (ERP)	
8600 MHz	FX	10M0P0N	1 W (ERP)	
9300 MHz	FX	10M0P0N	1 W (ERP)	
9605-9811.4 MHz	FX	10M0P0N	1 W (ERP)	
9812.8 MHz	FX	10M0P0N	1 W (ERP)	
13780.5 MHz	FX	10M0N0N	1 W (ERP)	
15035 MHz	FX	10M0P0N	1 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16772 MHz	FX	10M0P0N	1 W (ERP)	
17909-18005 MHz	FX	10M0P0N	1 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operations in the 1544-1545 /1645.5-1646.5 MHz frequency bands ARE LIMITED to distress and safety communications, in accordance with International Footnotes 5.356 and 5.375 of the ITU Radio Regulations.
- (4) Stop buzzer, Ken Gilliam at (425)569-9351.
- (5) 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 Upper Band "C" block (746-757 MHz/776-787 MHz) licensee (Verizon) and/or lessees
 - 700 MHz Guard Band licensees (757-758 MHz/787-788 MHz)
 - 700 MHz Guard Band licensees (775-776 MHz/805-806 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
- (6) The applicant must obtain consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to 1740 MHz, and 1995 MHz.
- (7) The applicant must obtain consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 650 MHz.
- (8) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation on 500 MHz, 550 MHz, 600 MHz, 950 MHz, 2036 MHz and 17909-18005 MHz.
- (9) The applicant must coordinate with Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 17909-18005 MHz band.

Special Conditions:

- (10) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF, contract number FA8730-17-C-0038. 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 expiration date of contract designated in the related application and enumerated above.