

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WL2XCP

(Call Sign)

0559-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) Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-33

Frequency Information

Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.625 GHz	FX	2M30G7D	35481339 W (ERP)	
29.625 GHz	FX	57M3G7D	446684 W (ERP)	
29.625 GHz	FX	115MG7D	446684 W (ERP)	
29.625 GHz	FX	218MG7D	39810717 W (ERP)	

This authorization effective August 04, 2020 and
will expire 3:00 A.M. EST August 01, 2022

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COMMUNICATIONS
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Frequency Information

Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.625 GHz	FX	218MG7D	33189446 W (ERP)	
29.875 GHz	FX	25M0G7D	9289664 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.
- (3) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) Stop Buzzer for Operation: Boeing 24-hour NOC hotline: (855) 556-1001 email: bcssnoc@boeing.com.
- (5) The stations are authorized to conduct tests via Hylas 4 @ 33.5° WL satellite (licensed by the United Kingdom Space Agency and Ofcom (ITU Filing UKMMSAT-B2-TTC-C)) at the 29.625 GHz and 29.875 GHz bands.
- (6) Point of contact: Hylas satellite.