

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XLB

(Call Sign)

0007-EX-ST-2021

(File Number)

NAME The Boeing Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

This requirement supports the development of the Datapath CCT-120 antenna system with Inmarsat-5 F2.

Station Locations

(1) Lino Lakes (ANOKA), MN - NL 45-08-03; WL 93-05-45

Frequency Information

Lino Lakes (ANOKA), MN - NL 45-08-03; WL 93-05-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.2-21.2 GHz	FX	38M4M1D 24M5M1D 44M4M1D 60M0M1D 99M9M1D	602560 W (ERP)	
30-31 GHz	FX	12M3M1D 6M30M1D 7M60M1D	794328 W (ERP)	

This authorization effective January 20, 2021 and
will expire 3:00 A.M. EST July 21, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lino Lakes (ANOKA), MN - NL 45-08-03; WL 93-05-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-31 GHz	FX		794328 W (ERP)	
		20M2M1D		
		24M6M1D		
		4M80M1D		
		10M8M1D		
		20M0M1D		
		20M7M1D		
		24M2M1D		

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) The applicant shall not exceed the occupied bandwidth of the emission beyond the band limits requested in the application to mitigate potential interference to the Fixed Microwave Service licensees operating in adjacent channels, 21.2-21.4 GHz and 31-31.3 GHz.
- (4) Point of communication (satellite): INMARSAT 5F2 @ 55WL
- (5) All Boeing Company testing shall be conducted IAW the configuration and RF parameters (e.g., orbital slot/s, specific frequencies, emission designators, etc.) that Boeing coordinated with Air Force (Jimmy Nguyen) and ARSTRAT (Travis Inghram) and NMSC (Dan Kibe).
- (6) As soon as possible but no later than 3 business days prior to any planned testing, Boeing is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO), Travis J. Inghram (Email: travis.j.ingram.civ@mail.mil, ARSTRAT) and Dan Kibe (Email: dan.kibe@navy.mil, NMSC) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD operations, additional evaluations and/or restrictions will be required.
- (7) Stop Buzzers: Boeing 24-hour NOC hotline at (855) 556-1001 or Rick Jones at (253) 350-2801.