

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

EXPERIMENTAL

(Nature of Service)

WP9XCE

(Call Sign)

XT FX MO

(Class of Station)

1527-EX-ST-2019

(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:

To support Command and Control, Telemetry, and Video links for an Unmanned Aircraft.

Station Locations

- (1) Pendleton, OR - NL 45-41-21; WL 118-50-32; MOBILE: UAS Test Range, Max Flight Level 5000 Feet, Pendleton, OR, within 10 km, centered around NL 45-41-21; WL 118-50-32

Frequency Information

Pendleton, OR - NL 45-41-21; WL 118-50-32; MOBILE: UAS Test Range, Max Flight Level 5000 Feet, Pendleton, OR, within :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz		230KF1D	61 W (ERP)	
2250 MHz		2M00F7D	1.22 W (ERP)	

This authorization effective September 15, 2019 and
will expire 3:00 A.M. EST March 16, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pendleton, OR - NL 45-41-21; WL 118-50-32; MOBILE: UAS Test Range, Max Flight Level 5000 Feet, Pendleton, OR, within :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2274.5 MHz		2M00F7D	1.22 W (ERP)	
2410.75 MHz		16M0F3F	1.22 W (ERP)	
2433.75 MHz		16M0F3F	1.22 W (ERP)	
2452.75 MHz		16M0F3F	1.22 W (ERP)	
2462.75 MHz		16M0F3F	1.22 W (ERP)	
2472.75 MHz		16M0F3F	1.22 W (ERP)	
2486 MHz		16M0F3F	1.22 W (ERP)	
2490 MHz		16M0F3F	1.22 W (ERP)	
2495 MHz		16M0F3F	1.22 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) The Boeing Company must coordinate with the local Society of Broadcast Engineers coordinator prior to operation to protect the Low Power Broadcast Auxiliary operations and fixed microwave services on 2450-2483.5 MHz.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) NTIA concurs with operations in the 902 - 928 MHz band above 400ft AGL in the restricted area. Provide the COA to FAA POC, Mr. Rodney Murphy, rodney.murphy@faa.gov prior to operation.
- (6) Stop Buzzer, Benjamin Wasilowski at 206-240-3497.
- (7) Operations is subject to consent of the following licensees within 50 miles of the contours of the testing area:
Location & Monitoring Service licensees (902-928 MHz)
- (8) The Boeing Company may operate with a center frequency that falls within the 2249-2251 MHz or 2273.5-2275.5 MHz sub-bands. A center frequency not within the 2 specified bands will cause interference with ongoing sensitive law enforcement operations.
- (9) This authorization SUPERSEDES the previous issued authorization with the same call sign and file number: amended condition.