

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

EXPERIMENTAL

(Nature of Service)

WP9XMO

(Call Sign)

XC FX MO

(Class of Station)

1915-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:

This request is being submitted to support Command and Control, Telemetry, Video, and Data links for an Unmanned Aircraft.

Station Locations

- (1) Yuma, AZ - NL 32-59-26; WL 114-15-09; MOBILE: 5000 Foot Flight Level, Yuma, AZ, within 10 km, centered around NL 32-59-26; WL 114-15-09

Frequency Information

Yuma, AZ - NL 32-59-26; WL 114-15-09; MOBILE: 5000 Foot Flight Level, Yuma, AZ, within 10 km, centered around NL 32-59-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-449.75 MHz	FX	1M20D7D	48 W (ERP)	
420-449.75 MHz	MO	1M20D7D	5 W (ERP)	
902-928 MHz	MO	230KF1D	61 W (ERP)	

This authorization effective October 22, 2019 and
will expire 3:00 A.M. EST April 21, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Yuma, AZ - NL 32-59-26; WL 114-15-09; MOBILE: 5000 Foot Flight Level, Yuma, AZ, within 10 km, centered around NL 32-59-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2205.5 MHz	MO	4M00F7D	1.22 W (ERP)	
2216.5 MHz	MO	4M00F7D	1.22 W (ERP)	
2239.5 MHz	MO	4M00F7D	1.22 W (ERP)	
2268.5 MHz	MO	4M00F7D	1.22 W (ERP)	
2282.5 MHz	MO	4M00F7D	1.22 W (ERP)	
2410.75 MHz	MO	16M0F3F	1.22 W (ERP)	
2433.75 MHz	MO	16M0F3F	1.22 W (ERP)	
2452.75 MHz	MO	16M0F3F	1.22 W (ERP)	
2462.75 MHz	MO	16M0F3F	1.22 W (ERP)	
2472.75 MHz	MO	16M0F3F	1.22 W (ERP)	

Frequency Information

Yuma, AZ - NL 32-59-26; WL 114-15-09; MOBILE: 5000 Foot Flight Level, Yuma, AZ, within 10 km, centered around NL 32-59-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2486 MHz	MO	16M0F3F	1.22 W (ERP)	
2490 MHz	MO	16M0F3F	1.22 W (ERP)	
2495 MHz	MO	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.
- (3) Stop Buzzer for this operation is Benjamin Wasilowski at 206-240-3497.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) The applicant must obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in the frequency bands centered on 2490 and 2495 MHz.
- (6) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator and the affected Fixed Microwave Service licensees prior to operation in the frequency bands centered on 2452.75 MHz, 2462.75 MHz, 2472.75 MHz, 2486 MHz, 2490 MHz and 2495 MHz.
- (7) Future STA requests to extend this authorization will not be considered.
- (8) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 100 miles of the contours of the testing area: Location & Monitoring Service licensees (902-928 MHz)
- (9) The Boeing Company may not operate in the 449.75-450 MHz frequency band in order to protect ongoing operations.
- (10) The Boeing Company must coordinate/schedule Yuma operations through their YPG Test Officer at least 14 calendar days prior to operations.

Special Conditions:

(11) The Boeing Company must coordinate with AZAFC, Mr. Mark Rossow, AZAFC, Mr. Carl Tilander, MCIWEST, Mr. Chris Chaffin, NETCOM, and NMCSO Southwest no later than 7 days prior to start of operation.

a.Mr. Mark Rossow, Chief, DoD AFC AZ, Tel: (520) 538-6423, DSN: 879-6423

b.Mr. Carl Tilander, MCIWest G6, (760) 725-2808 (DSN 365-2808)

c.NMCSO Southwest, Reginald Thomas, 619-545-9889, 619-767-7629