

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

XT FX
(Class of Station)

WA8XDS
(Call Sign)

0860-EX-ST-2026
(File Number)

NAME Xator Corporation

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:
The purpose of this operation is to support testing and evaluation of a Doodle Labs Helix Mesh Rider MANET-based communications system for unmanned aircraft system (UAS) and unmanned

Station Locations
(1) Summit Point (JEFFERSON), WV - NL 39-14-29; WL 77-57-56

Frequency Information

Summit Point (JEFFERSON), WV - NL 39-14-29; WL 77-57-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1635-1712 MHz	FX		0.75 W (Output Power)	5 %
		5M00D1D		
		10M0D1D		
		20M0D1D		
1780-1850 MHz	FX		0.75 W (Output Power)	5 %
		5M00D1D		
		10M0D1D		
		20M0D1D		

This authorization effective June 01, 2026 and
will expire 3:00 A.M. ET September 01, 2026



Frequency Information

Summit Point (JEFFERSON), WV - NL 39-14-29; WL 77-57-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2025-2110 MHz	FX	5M00D1D 10M0D1D 20M0D1D	0.75 W (Output Power)	5 %
2210-2288 MHz	FX	5M00D1D 10M0D1D 20M0D1D	0.75 W (Output Power)	5 %

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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.
- (3) Prior to commencing any terrestrial operations in the 1670-1675 MHz band, the licensee must obtain consent from 1670-1675 MHz band licensee (Crown Castle International), and the lessee (if any).
- (4) Airborne operations are not permitted in 1670-1675 MHz band due to an explicit airborne prohibition in our rules.
- (5) Licensee must notch out the 1660.5-1668.4 MHz band to protect ongoing federal operations.
- (6) Licensee must notch out 2218 MHz and 2230 MHz (+/- 3 MHz) to protect ongoing federal operations.
- (7) To protect spacecraft receivers operating in the 2025-2110 MHz and 2200-2290 MHz bands, transmitters in these bands should not use an antenna whose maximum gain exceeds 12.2 dBi.
- (8) Licensee should be aware that the band 2200-2290 MHz is allocated for federal operations and is an extremely congested band. Successful coordination is often extremely difficult to achieve, and non-federal use is on a case-by-case basis.
- (9) Notify the Advanced Wireless Service licensees in the proposed areas prior to accessing to 1635-1712 MHz band.
- (10) Stop Buzzer Point of Contact: 760-282-2882