

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

XT FX
(Class of Station)

WA8XJW
(Call Sign)

1560-EX-ST-2026
(File Number)

NAME Oceus Networks

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 conduct structured research, development, and user-training activities in support of various Government's programs to evaluate and mature 5G Private Network architecture.

- Station Locations
- (1) Alpena (ALPENA), MI - NL 45-24-29; WL 83-42-59
 - (2) Oscoda (OSCODA), MI - NL 44-27-06; WL 83-21-54

Frequency Information

Alpena (ALPENA), MI - NL 45-24-29; WL 83-42-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0W7W	1 W (ERP)	
2110-2155 MHz	FX	20M0W7W	2 W (ERP)	
2496-2690 MHz	FX	20M0W7W	2 W (ERP)	

This authorization effective August 28, 2026 and
will expire 3:00 A.M. ET March 02, 2027

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Oscoda (OSCODA), MI - NL 44-27-06; WL 83-21-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	20M0W7W	2 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) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (4) 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.
- (5) Prior to commencing operations in the authorized frequency band(s), the licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 2000-4000 MHz (S-band) (Call sign S3213)
Licensee: Spire Global, Inc. Phone Number: 415-356-3400
ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com

Frequency Bands: 2483.5-2500 MHz(s-E) (Call sign S2115)
Licensee: Globalstar Licensee LLC, Phone Number: 985-335-1503
ATTN: L. Barbee Ponder IV, E-Mail: Barbee.Ponder@Globalstar.com

- (6) Licensee must coordinate with the Fixed Microwave Service licensees in the proposed venues prior to operation in the frequencies from 2496 MHz to 2500 MHz.
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (8) Stop Buzzer Point of Contact: Russ Pinard, russell.pinard@oceus.io, (910) 986-2801 or Dan Goldberg, daniel.goldberg@oceus.io, (571) 331-3762