

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

EXPERIMENTAL

(Nature of Service)

WR9XNF

(Call Sign)

XT FX

(Class of Station)

0005-EX-ST-2021

(File Number)

NAME Capella Space

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 ground-based system will transmit a calibrated CW tone in the direction of the spacecraft as the spacecraft passes overhead. The tone will be tuned to the frequency of the radar and the

Station Locations

(1) North Pole (Fairbanks North Star), AK - NL 64-47-40; WL 147-32-12

Frequency Information

North Pole (Fairbanks North Star), AK - NL 64-47-40; WL 147-32-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.4-9.9 GHz	MO	OH00N0N	1412.5 W (ERP)	0.00025 %

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.

This authorization effective January 27, 2021 and
will expire 3:00 A.M. EST July 27, 2021

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) This STA covers temporary operation of the system at the Alaska Satellite Facility at the University of Alaska Fairbanks during the commissioning of the Capella-3 and Capella-4 satellites.
- (6) Point of Communication: Capella-3 and Capella-4
- (7) Stop Buzzer POC: Gordon Farquharson
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