

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

EXPERIMENTAL

(Nature of Service)

WS9XTT

(Call Sign)

XT MO

(Class of Station)

1499-EX-ST-2021

(File Number)

NAME Aerostar Technical Solutions

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 high altitude balloon flights will be to test and demonstrate the ability to provide cellular services to infrastructure-disadvantaged and/or disaster-affected areas from stratospheric

Station Locations

- (1) MOBILE: MOEA Welcome, MN maximum altitude 70,000-ft, within 200 km, centered around NL 43-41-18; WL 94-33-08
- (2) MOBILE: MOEB - Welcome, MN 124 mile radius, within 200 km, centered around NL 43-41-18; WL 94-33-08

Frequency Information

MOBILE: MOEA Welcome, MN maximum altitude 70,000-ft, within 200 km, centered around NL 43-41-18; WL 94-33-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
808-818 MHz	MO	10M0M7D	19.2752 W (ERP)	0.0001 %

This authorization effective November 01, 2021 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: MOEB - Welcome, MN 124 mile radius, within 200 km, centered around NL 43-41-18; WL 94-33-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
849-859 MHz	MO	10M0M7D	0.3 W (ERP)	0.0001 %

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) Prior to commencing any operations in the frequencies below, the experimental licensee must obtain consent from the following within 316 miles of the contours of the testing area:
 - a. SMR/ESMR licensees (809-824 MHz/854-869 MHz)
 - b. B/ILT licensees (809-824 MHz/854-869 MHz)
 - c. Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)