

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

EXPERIMENTAL

(Nature of Service)

WP9XZN

(Call Sign)

XT MO

(Class of Station)

0154-EX-ST-2020

(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 purpose of the operation is to conduct High-Altitude Balloon testing using Mobile Networked MIMO (MN-MIMO) radios in the Yuma, AZ area. Ground station is a temporary fixed platform in

**Station Locations**

- (1) MOBILE: Palo Verde, CA max altitude 90,000-ft AGL, within 400 km, centered around NL 33-25-14; WL 114-36-53

**Frequency Information**

MOBILE: Palo Verde, CA max altitude 90,000-ft AGL, within 400 km, centered around NL 33-25-14; WL 114-36-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2450-2480 MHz	MO	20M0D7W	1004 W (ERP)	0.002 %

**Special Conditions:**

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.
- (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.

This authorization effective February 20, 2020 and will expire 3:00 A.M. EST August 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Aerostar Technical Solutions must coordinate with the local Society of Broadcast Engineers frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 2450-2480 MHz band.