

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WQ9XIP

(Call Sign)

0572-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 Tonopah, NV area.

Station Locations

- (1) MOBILE: Tonopah, NV. Maximum altitude of 90,000-ft, within 400 km, centered around NL 37-46-30; WL 116-28-01
- (2) Hawthorne (MINERAL), NV - NL 38-32-42; WL 118-37-56

Frequency Information

MOBILE: Tonopah, NV. Maximum altitude of 90,000-ft, within 400 km, centered around NL 37-46-30; WL 116-28-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2450 MHz	MO	20M0D7W	32 W (ERP)	0.002 %

This authorization effective June 09, 2020 and
will expire 3:00 A.M. EST August 31, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hawthorne (MINERAL), NV - NL 38-32-42; WL 118-37-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2450 MHz	FX	20MOD7W	1004 W (ERP)	0.002 %

Special Conditions:

- (1) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number:
- (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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Applicant shall coordinate with the local Society of Broadcast Engineers frequency coordinator and the affected Fixed Microwave Service licensees in the proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 2450-2480 MHz band.
- (5) The FAA non-concurs with use of 2.4 GHz for command and control purposes, while payload data is acceptable.