

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

EXPERIMENTAL

(Nature of Service)

WQ9XOK

(Call Sign)

XT MO

(Class of Station)

0769-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 the mobile networked MIMO (MN-MIMO) radios in the Yuma, AZ area. the ground station is a temporary

Station Locations

- (1) MOBILE: MOEB Eloy, AZ with radius of 300 miles, within 482 km, centered around NL 32-48-38; WL 111-35-16
- (2) MOBILE: Eloy, AZ MOEA max altitude 70,000-ft agl, within 482 km, centered around NL 32-48-38; WL 111-35-16

Frequency Information

MOBILE: MOEB Eloy, AZ with radius of 300 miles, within 482 km, centered around NL 32-48-38; WL 111-35-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370-2390 MHz	MO	20M0D7W	63 W (ERP)	0.002 %

This authorization effective June 22, 2020 and
will expire 3:00 A.M. EST August 31, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Eloy, AZ MOEA max altitude 70,000-ft agl, within 482 km, centered around NL 32-48-38; WL 111-35-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370-2390 MHz	MO	20MOD7W	25 W (ERP)	0.002 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, AZ, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (2) Non-interference basis to previous licensed operators within radio line-of-sight.
- (3) Applicant will coordinate with Yuma Proving Grounds Frequency Mgt personnel to determine if IFDS scheduling is required prior to operations when flying either in an Eastern or Western direction.
- (4) Further scheduling may be required with DoD White Sands Missile Range or DoD Western Area Frequency Coordinator as not to cause harmful interference to flight test activities.