

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

EXPERIMENTAL

(Nature of Service)

WQ9XYO

(Call Sign)

XT MO

(Class of Station)

1309-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 Alamogordo, NM area.

Station Locations

- (1) MOBILE: MOEB Hurley, NM, within 200 km, centered around NL 32-38-19; WL 108-09-38
- (2) MOBILE: MOEA Hurley, NM max. altitude 70,000-ft msl, within 200 km, centered around NL 32-38-19; WL 108-09-38
- (3) MOBILE: MOEA Artesia, NM max altitude of 70,000-ft msl., within 200 km, centered around NL 32-51-12; WL 104-28-05
- (4) MOBILE: MOEB Artesia, NM, within 200 km, centered around NL 32-51-12; WL 104-28-05

Frequency Information

MOBILE: MOEB Hurley, NM, within 200 km, centered around NL 32-38-19; WL 108-09-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	MO	20M0D7W	63 W (ERP)	0.002 %

This authorization effective August 31, 2020 and
will expire 3:00 A.M. EST November 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



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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.
- (3) Clearance/scheduling is required via White Sands Area Frequency Coordinator High altitude balloon MIMO testing. Aero vehicle will downlink data to the ground mobile unit and ground mobile unit will monitor health and safety of Balloon as well as ability to transmit commands to aero vehicle.
- (4) Operations must be coordinated with the WSMR DOD Area Frequency Coordinator at least 96 hrs prior to activation via e-mail at USARMY.WSMR.IMCOM-CENTRAL.LIST.DODAF(AT)MAIL.MIL.
- (5) Operations are non-interference basis to Flight Test telemetry and Air Force Spectrum Dependent System