

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK2XST

(Call Sign)

0027-EX-CN-2020

(File Number)

NAME Aerostar Technical Solutions

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Stanley, NM site: Max altitude 90,000ft AGL, within 400 km, centered around NL 35-05-29; WL 105-58-47
- (2) MOBILE: Baltic, SD: Max altitude 90,000 ft AGL, within 400 km, centered around NL 43-42-06; WL 96-42-33

Frequency Information

MOBILE: Stanley, NM site: Max altitude 90,000ft AGL, within 400 km, centered around NL 35-05-29; WL 105-58-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2450-2480 MHz	MO	20M0D7W	12589 W (ERP)	0.002 %

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This authorization effective April 09, 2020 and
will expire 3:00 A.M. EST October 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Operations must be scheduled with DOD-AFC WSMR, at least 96 hours prior to activation, via E-MAIL at USARMY.WSMR.IMCOMCENTRAL.LIST.DODAFRC(AT)MAIL.MIL.
For NON-DOD operations, the high-altitude balloon must not overfly DOD restricted airspaces at SMR (R5103, R5107, R5109, R5111, and R5119) and CANNON AFB-MELROSE RANGES (R5104 and R5105).
For operations supporting DOD, access to the WSMR restricted airspaces must be scheduled as a WSMR Range Mission, through the DOD Programs Range Sponsor. For access to the CANNON/MELROSE airspace, operations must be coordinated with the CANNON AFB Installation Spectrum Manager, at 575-749-5577, and THE 27TH SPECIAL OPERATIONS, AIR OPERATIONS SQUADRON, via E-MAIL at 27SOAS.DOXG.EXERCISEPLANS(AT)US.AF.MIL.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Licensee is not authorized to operate in the 2483.5-2500 MHz frequency band.
- (6) Licensee must successfully secure consents from the Broadband Radio Service licensees prior to operation in 2496-2500 MHz band.
- (7) Prior to operation, licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator and the existing and future Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).