

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XEK

(Call Sign)

0057-EX-CR-2018

(File Number)

NAME Sierra Nevada Corporation

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(a & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Hagerstown, MD: Airborne max altitude 22,000 ft AGL, within 231 km, centered around NL 39-42-43; WL 77-43-28

Frequency Information

MOBILE: Hagerstown, MD: Airborne max altitude 22,000 ft AGL, within 231 km, centered around NL 39-42-43; WL 77-43-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1990-2025 MHz	MO	17M0F8W 8M00W7D	10 W (ERP)	4.0E-6 %
2400-2500 MHz	MO	1M23F1D 1M56F1D 1M62F1D 1M94F1D 2M40G1D 470KF1D 520KF1D 810KF1D 9M58G2D	20 W (ERP)	1.0E-6 %

This authorization effective April 01, 2018 and
will expire 3:00 A.M. EST April 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hagerstown, MD: Airborne max altitude 22,000 ft AGL, within 231 km, centered around NL 39-42-43; WL 77-43-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2500 MHz	MO	4M05F1D 6M48F1D 8M10F1D 4M79G1D 720KF1D 972KF1D	20 W (ERP)	1.0E-6 %
2450-2500 MHz	MO	17M0F8W 8M00W7D	10 W (ERP)	4.0E-6 %
4400-4940 MHz	MO	1M23F1D 1M56F1D 1M62F1D 1M94F1D 2M40G1D 470KF1D 520KF1D 810KF1D 9M58G2D 4M05F1D 6M48F1D 8M10F1D 4M79G1D 720KF1D 972KF1D	20 W (ERP)	1.0E-6 %
6.425-6.525 GHz	MO	17M0F8W 8M00W7D	10 W (ERP)	4.0E-6 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) Licensee must successfully secure consents from all AWS licensees within 650 km radius from the requested coordinates prior to the first operation in 1990-2015 MHz band.