

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE2XCP

(Call Sign)

0239-EX-RR-2013

(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(d, i) of the Commission's Rules

Station Locations

- (1) MOBILE: Stead Airport near Reno, Nevada, within 16 km, centered around NL 39-40-02; WL 119-52-32
- (2) MOBILE: Sierra Nevada Corporation, within 16 km, centered around NL 39-32-00; WL 119-42-04
- (3) MOBILE: Felker Army Airfield, Ft. Eustis, VA, within 16 km, centered around NL 37-08-07; WL 76-36-31
- (4) MOBILE: Huntsville, AL - Redstone Arsenal Airfield, within 40 km, centered around NL 34-40-43; WL 86-41-05
- (5) MOBILE: Arlington, VA - Pentagon Army Heliport, within 40 km, centered around NL 38-52-27; WL 77-03-27
- (6) MOBILE: 15245 Alton Parkway, Irvine, CA 92618, within 40 km, centered around NL 33-39-04; WL 117-43-57
- (7) MOBILE: CONUS

Frequency Information

MOBILE: Stead Airport near Reno, Nevada, within 16 km, centered around NL 39-40-02; WL 119-52-32

|               |               |                     |                  |                           |
|---------------|---------------|---------------------|------------------|---------------------------|
| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
| 92.5-95.5 GHz | MO            | 400MQ1N             | 200 mW (ERP)     |                           |

This authorization effective July 25, 2013 and  
will expire 3:00 A.M. EST August 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Sierra Nevada Corporation, within 16 km, centered around NL 39-32-00; WL 119-42-04

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MQ1N             | 200 mW (ERP)     |                           |

MOBILE: Felker Army Airfield, Ft. Eustis, VA, within 16 km, centered around NL 37-08-07; WL 76-36-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MQ1N             | 200 mW (ERP)     |                           |

MOBILE: Huntsville, AL - Redstone Arsenal Airfield, within 40 km, centered around NL 34-40-43; WL 86-41-05

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MQ1N             | 27.3 W (ERP)     |                           |

MOBILE: Arlington, VA - Pentagon Army Heliport, within 40 km, centered around NL 38-52-27; WL 77-03-27

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MQ1N             | 27.3 W (ERP)     |                           |

## Frequency Information

MOBILE: 15245 Alton Parkway, Irvine, CA 92618, within 40 km, centered around NL 33-39-04; WL 117-43-57

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MQ1N             | 27.3 W (ERP)     | 0.0002 %                  |

MOBILE: CONUS

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 92.5-95.5 GHz | MO            | 400MP1N             | 10 kW (ERP)      |                           |
| 92.5-95.5 GHz | MO            | 400MP1N             | 154 W (ERP)      |                           |

## Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.