

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

EXPERIMENTAL

(Nature of Service)

WF2XGT

(Call Sign)

XC      FX MO

(Class of Station)

0017-EX-RR-2014

(File Number)

NAME Vista Research, Inc.

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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Salinas, CA, within 7 km, centered around NL 36-36-27; WL 121-35-36
- (2) MOBILE: Johnson Valley, CA, within 13 km, centered around NL 34-29-21; WL 116-39-26
- (3) MOBILE: Stoddard Valley, CA, within 12 km, centered around NL 34-44-03; WL 116-59-17
- (4) MOBILE: Rosamond, CA, within 13 km, centered around NL 34-57-24; WL 118-17-52
- (5) MOBILE: Santa Paula, CA, within 13 km, centered around NL 34-23-25; WL 119-00-01
- (6) MOBILE: El Mirage OHV, San Bernardino County, CA, within 13 km, centered around NL 34-38-45; WL 117-36-03
- (7) MOBILE: Elizabeth City, NC, within 2 km, centered around NL 36-13-50; WL 76-07-50
- (8) MOBILE: Near 47513 245th Street, Baltic, SD, within 2 km, centered around NL 43-42-06; WL 96-42-30
- (9) MOBILE: Near 186 CR 3502, Sulphur Springs, TX, within 2 km, centered around NL 33-09-11; WL 95-33-53
- (10) MOBILE: Gilbert, AZ, within 4 km, centered around NL 33-20-54; WL 111-49-50
- (11) MOBILE: Dateland, AZ, within 4 km, centered around NL 32-49-24; WL 113-36-47
- (12) MOBILE: Bristow, VA, within 6 km, centered around NL 38-42-07; WL 77-31-16
- (13) Chatsworth (LOS ANGELES), CA - NL 34-14-33; WL 118-34-59
- (14) MOBILE: Dumont Dunes OHV Recreational Area, San Bernardino, CA, within 13 km, centered around NL 35-41-24; WL 116-14-18

This authorization effective March 05, 2014 and  
will expire 3:00 A.M. EST May 07, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Salinas, CA, within 7 km, centered around NL 36-36-27; WL 121-35-36

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |

MOBILE: Johnson Valley, CA, within 13 km, centered around NL 34-29-21; WL 116-39-26

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |
| 9.3-9.5 GHz | MO            | 65M0P0N             | 5.65 MW (ERP)    |                           |

MOBILE: Stoddard Valley, CA, within 12 km, centered around NL 34-44-03; WL 116-59-17

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 5.65 MW (ERP)    |                           |
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |

MOBILE: Rosamond, CA, within 13 km, centered around NL 34-57-24; WL 118-17-52

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 1.41 MW (ERP)    |                           |

## Frequency Information

MOBILE: Rosamond, CA, within 13 km, centered around NL 34-57-24; WL 118-17-52

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |

MOBILE: Santa Paula, CA, within 13 km, centered around NL 34-23-25; WL 119-00-01

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |
| 9.3-9.5 GHz | MO            | 65M0P0N             | 1.41 MW (ERP)    |                           |

MOBILE: El Mirage OHV, San Bernardino County, CA, within 13 km, centered around NL 34-38-45; WL 117-36-03

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 MW (ERP)   |                           |
| 9.3-9.5 GHz | MO            | 65M0P0N             | 1.41 MW (ERP)    |                           |

MOBILE: Elizabeth City, NC, within 2 km, centered around NL 36-13-50; WL 76-07-50

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

## Frequency Information

MOBILE: Near 47513 245th Street, Baltic, SD, within 2 km, centered around NL 43-42-06; WL 96-42-30

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

MOBILE: Near 186 CR 3502, Sulphur Springs, TX, within 2 km, centered around NL 33-09-11; WL 95-33-53

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

MOBILE: Gilbert, AZ, within 4 km, centered around NL 33-20-54; WL 111-49-50

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

MOBILE: Dateland, AZ, within 4 km, centered around NL 32-49-24; WL 113-36-47

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

## Frequency Information

MOBILE: Bristow, VA, within 6 km, centered around NL 38-42-07; WL 77-31-16

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.31 W (ERP)    |                           |

Chatsworth (LOS ANGELES), CA - NL 34-14-33; WL 118-34-59

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | FX            | 65M0P0N             | 35.3 MW (ERP)    |                           |
| 9.3-9.5 GHz | FX            | 65M0P0N             | 86.4 MW (ERP)    |                           |
| 9.3-9.5 GHz | FX            | 65M0P0N             | 1.41 MW (ERP)    |                           |

MOBILE: Dumont Dunes OHV Recreational Area, San Bernardino, CA, within 13 km, centered around NL 35-41-24; WL 116-14-18

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.3-9.5 GHz | MO            | 65M0P0N             | 35.3 MW (ERP)    |                           |
| 9.3-9.5 GHz | MO            | 65M0P0N             | 1.4 MW (ERP)     |                           |

## 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.

**Special Conditions:**

- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) During all testing, the point of contact, James McComb, (818-425-4751) shall be available, if necessary, to stop testing due to interference to government operations in the area.
- (5) Operation is subject to coordination with the Western Area Frequency Coordinator in the Navy Pacific Missile Test Center Point Mugu, CA, prior to use within a 322 kilometer radius of Point Mugu or in California South of Latitude 37' 30" North.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Department of Defense, contract number FA8750-09-C-0233. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (7) Prior to activation, applicant must coordinate with Western Area Frequency Coordinator (760) 939-6948.