

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XEQ

(Call Sign)

0014-EX-RR-2014

(File Number)

NAME Boeing Company, The

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: GOODYEAR (MARICOPA), AZ, within 10 km, centered around NL 33-25-48; WL 112-21-49
- (2) MOBILE: MARANA (PINAL), AZ, within 10 km, centered around NL 32-30-42; WL 111-19-11
- (3) MOBILE: MOJAVE KERN, CA, within 10 km, centered around NL 35-03-24; WL 118-09-26
- (4) MOBILE: VICTORVILLE (SAN BERNARDINO), CA, within 10 km, centered around NL 34-35-16; WL 117-22-31
- (5) MOBILE: ROSWELL (CHAVES), NM, within 10 km, centered around NL 33-24-24; WL 104-32-36
- (6) MOBILE: SEATTLE (KING), WA, within 10 km, centered around NL 47-32-20; WL 122-18-46
- (7) MOBILE: EVERETT (SNOHOMISH), WA, within 10 km, centered around NL 47-54-43; WL 122-16-20

Frequency Information

MOBILE: GOODYEAR (MARICOPA), AZ, within 10 km, centered around NL 33-25-48; WL 112-21-49

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz | MO            | NON                 | 100 mW (ERP)     |                           |

This authorization effective April 01, 2014 and  
will expire 3:00 A.M. EST April 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: GOODYEAR (MARICOPA), AZ, within 10 km, centered around NL 33-25-48; WL 112-21-49

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 4.9-5 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: MARANA (PINAL), AZ, within 10 km, centered around NL 32-30-42; WL 111-19-11

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |
| 4.9-5 GHz   | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: MOJAVE KERN, CA, within 10 km, centered around NL 35-03-24; WL 118-09-26

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz   | MO            | N0N                 | 100 mW (ERP)     |                           |
| 4.9-5 GHz     | MO            | N0N                 | 100 mW (ERP)     |                           |
| 5.25-5.35 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |
| 5.47-5.6 GHz  | MO            | N0N                 | 100 mW (ERP)     |                           |

## Frequency Information

MOBILE: MOJAVE KERN, CA, within 10 km, centered around NL 35-03-24; WL 118-09-26

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 5.65-6 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: VICTORVILLE (SAN BERNARDINO), CA, within 10 km, centered around NL 34-35-16; WL 117-22-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz   | MO            | N0N                 | 100 mW (ERP)     |                           |
| 4.9-5 GHz     | MO            | N0N                 | 100 mW (ERP)     |                           |
| 5.25-5.35 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |
| 5.47-5.6 GHz  | MO            | N0N                 | 100 mW (ERP)     |                           |
| 5.65-6 GHz    | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: ROSWELL (CHAVES), NM, within 10 km, centered around NL 33-24-24; WL 104-32-36

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |

## Frequency Information

MOBILE: ROSWELL (CHAVES), NM, within 10 km, centered around NL 33-24-24; WL 104-32-36

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 4.9-5 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: SEATTLE (KING), WA, within 10 km, centered around NL 47-32-20; WL 122-18-46

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz   | MO            | N0N                 | 100 mW (ERP)     |                           |
| 4.9-4.989 GHz | MO            | N0N                 | 100 mW (ERP)     |                           |

MOBILE: EVERETT (SNOHOMISH), WA, within 10 km, centered around NL 47-54-43; WL 122-16-20

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.4-2.5 GHz   | MO            | N0N                 | 100 mW (ERP)     |                           |
| 4.9-4.989 GHz | MO            | N0N                 | 100 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (4) Licensee is aware that the federal government operates high power radars in the 5300-5600 MHz band and Boeing may receive interference.
- (5) Operation in the frequency band 4900-5000 MHz in California is subject to prior coordination with Western Area coordinator in the Navy Pacific Missile Test Center PT. Mugu, California.
- (6) Licensee must coordinate with FAA Regional Office to operate the frequency band 5.25-6.00 GHz in Arizona, Washington and New Mexico. Licensee shall submit to the FCC the NGT number assigned by the FAA Regional Office if applied or modified the application for using the frequency band 5.25-6.00 GHz in these three states.
- (7) Operation is NOT permitted on these frequency bands: 5350-5470 MHz and 5600-5650 MHz.
- (8) Prior to activation, licensee must coordinate with Western Area Frequency Coordinator (760) 939-6948/6832.
- (9) Operation is NOT PERMITTED using the frequency band 4.989-5.000 GHz in Seattle, WA and Everett, WA.