

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

EXPERIMENTAL
(Nature of Service)

WB9XYX
(Call Sign)

FX MO
(Class of Station)

0018-EX-PL-2005
(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.

Station Locations

- (1) Goodyear (MARICOPA), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-25-48; WL 112-21-49
- (2) Marana (PINAL), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 32-30-42; WL 111-19-11
- (3) Mojave (KERN), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 35-03-24; WL 118-09-26
- (4) Victorville (SAN BERNARDINO), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 34-35-16; WL 117-22-31
- (5) Roswell (CHAVES), NM; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-24-24; WL 104-32-36
- (6) Seattle (KING), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-32-20; WL 122-18-46
- (7) Everett (SNOHOMISH), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-54-43; WL 112-16-20

Frequency Information

Goodyear (MARICOPA), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-25-48; WL 112-21-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

This authorization effective February 03, 2005 and
will expire 3:00 A.M. EST August 03, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Goodyear (MARICOPA), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-25-48; WL 112-21-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Goodyear (MARICOPA), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-25-48; WL 112-21-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Marana (PINAL), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 32-30-42; WL 111-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Marana (PINAL), AZ; MOBILE: 5 KMRA of, within 5 km, centered around NL 32-30-42; WL 111-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Mojave (KERN), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 35-03-24; WL 118-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Mojave (KERN), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 35-03-24; WL 118-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Mojave (KERN), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 35-03-24; WL 118-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Victorville (SAN BERNARDINO), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Victorville (SAN BERNARDINO), CA; MOBILE: 5 KMRA of, within 5 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Roswell (CHAVES), NM; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-24-24; WL 104-32-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Roswell (CHAVES), NM; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-24-24; WL 104-32-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Roswell (CHAVES), NM; MOBILE: 5 KMRA of, within 5 km, centered around NL 33-24-24; WL 104-32-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Seattle (KING), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-32-20; WL 122-18-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Seattle (KING), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-32-20; WL 122-18-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Everett (SNOHOMISH), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-54-43; WL 112-16-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Everett (SNOHOMISH), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-54-43; WL 112-16-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-960 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1390-1435 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1535-1545 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1610-1646.5 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2310-2390 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2500-2700 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
3000-4200 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

Everett (SNOHOMISH), WA; MOBILE: 5 KMRA of, within 5 km, centered around NL 47-54-43; WL 112-16-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5250-5600 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
5650-6000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (2) Transmissions in the 2400-2500 MHz band are not permitted at the Phoenix-Litchfield Airport, Goodyear (MARICOPA), AZ location due to potential interference to CARS facility KA-80628.
- (3) Licensee should avoid frequencies used by TV or DTV stations in the same area or alternatively, transmit at hours when viewers are not likely to be watching those stations.
- (4) Operation is subject to prior coordination with affected Part 101 licensees to avoid interference.
- (5) Operation is subject to prior coordination with MDS/ITFS licensees to avoid interference.
- (6) The frequencies listed in the Public Safety Frequency Pool Table under 47 CFR, Part 90.20(c)(3) are not permitted for use.