

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WB9XYX

(Call Sign)

0391-EX-ST-2006

(File Number)

NAME BOEING COMPANY, THE

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of this STA is to conduct tests aboard several aircraft to obtain radio propagation characteristic data of aircraft fuselages

Station Locations

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

This authorization effective July 01, 2006 and
will expire 3:00 A.M. EST January 02, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
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 %
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 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
944-947 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
948-960 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 %
4400-5000 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

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

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

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
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

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

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 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

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

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 %
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 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 - NL 33-24-24; WL 104-32-36; MOBILE: 5 KMRA of, within 5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
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 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 %
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 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
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 %
1660.5-1710 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
1850-2049 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
2051-2300 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 - NL 47-54-43; WL 112-16-20; MOBILE: 5 KMRA of, within 5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
200-222 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
400-406 MHz	MO	50M0A3N	2 W (ERP)	0.001 %
450-932 MHz	MO	50M0A3N	2 W (ERP)	0.001 %

Frequency Information

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

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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.