

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

EXPERIMENTAL

(Nature of Service)

WC9XOU

(Call Sign)

XD MO

(Class of Station)

0305-EX-ST-2006

(File Number)

NAME THE BOEING COMPANY

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 the operation is to research and develop new devices, investigate the impact of existing devices and new wireless system onboard aircrafts.

Station Locations

- (1) MOBILE: Operation within an airplane sitting in an airport, within 10 km, centered around NL 33-25-48; WL 112-21-49
- (2) MOBILE: Airplane sitting at Airport, within 10 km, centered around NL 32-30-42; WL 111-19-11
- (3) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 33-03-24; WL 118-09-26
- (4) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 34-35-16; WL 117-22-31
- (5) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-32-20; WL 122-18-46
- (6) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-54-43; WL 122-16-20
- (7) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 48-12-58; WL 106-37-06
- (8) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-08-32; WL 119-14-31
- (9) MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 46-16-28; WL 106-20-46
- (10) MOBILE: WESTERN CONUS (WA,CA,OR,ID,NV,AZ,UT,MT,WY,CO,NM), within 0 km, centered around NL 33-49-20; WL 118-09-46

This authorization effective May 15, 2006 and
will expire 3:00 A.M. EST November 16, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Operation within an airplane sitting in an airport, within 10 km, centered around NL 33-25-48; WL 112-21-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

MOBILE: Airplane sitting at Airport, within 10 km, centered around NL 32-30-42; WL 111-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0K00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0F	30 W (ERP)	0.001 %

Frequency Information

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 33-03-24; WL 118-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

Frequency Information

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-32-20; WL 122-18-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-54-43; WL 122-16-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

Frequency Information

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 48-12-58; WL 106-37-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 47-08-32; WL 119-14-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

Frequency Information

MOBILE: Operation within a sitting airplane, within 10 km, centered around NL 46-16-28; WL 106-20-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1930-1990 MHz	MO	0H00N0N 200KGXX 1M23WXX	2 W (ERP)	0.001 %
1989 MHz	MO	0K00N0N	30 W (ERP)	0.001 %

MOBILE: WESTERN CONUS (WA,CA,OR,ID,NV,AZ,UT,MT,WY,CO,NM), within 0 km, centered around NL 33-49-20; WL 118-09-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-896 MHz	MO	200KGXX 1M23WXX	40 mW (ERP)	0.001 %
1930-1990 MHz	MO	200KGXX 1M23WXX	40 mW (ERP)	0.001 %

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Testing is authorized as a temporary pico cell experiment under the authority of Part 5 of the Commission rules and does not constitute a waiver of Section 22.925 of the Commission rules.
- (3) Pico cell operations shall not cause interference to licensed services and are subject to immediate shut down until any interference issues are resolved.