

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

EXPERIMENTAL

(Nature of Service)

WC9XYE

(Call Sign)

XD FX MO

(Class of Station)

0013-EX-ST-2008

(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:

Evaluation/use FAA 50 khz in the 136 MHZ for flight test operations.

Station Locations

- (1) ST LOUIS, MO - NL 38-45-04; WL 90-21-24; MOBILE: ST LOUIS, MO. Surface to 50,000 feet, within 402.34 km
- (2) WICHITA, KS - NL 37-37-39; WL 97-16-40; MOBILE: WICHITA, KS. Surface to 50,000 feet, within 402.34 km, centered around NL 37-37-39; WL 97-16-40
- (3) SEATTLE, WA - NL 47-32-21; WL 122-18-44; MOBILE: SEATTLE, WA. Surface to 50,000 feet, within 402.34 km, centered around NL 47-32-21; WL 122-18-44
- (4) EVERETT, WA - NL 47-55-32; WL 122-16-28; MOBILE: EVERETT, WA. Surface to 50,000 feet, within 402.34 km, centered around NL 47-55-32; WL 122-16-28
- (5) RENTON, WA - NL 47-29-54; WL 122-13-06; MOBILE: RENTON, WA. Surface to 50,000 feet, within 402.34 km, centered around NL 47-29-54; WL 122-13-06
- (6) WEST TIGER MOUNTAIN, WA - NL 47-30-16; WL 121-58-20; MOBILE: WEST TIGER MOUNTAIN, WA. Surface to 50,000 feet, within 402.34 km, centered around NL 47-30-16; WL 121-58-20
- (7) MOSES LAKE, WA - NL 47-12-07; WL 119-17-54; MOBILE: MOSES LAKE, WA. Surface to 50,000 feet, within 402.34 km, centered around NL 47-12-07; WL 119-17-54
- (8) GLASGOW, MT - NL 48-25-21; WL 106-32-10; MOBILE: GLASGOW, MT. Surface to 50,000 feet, within 402.34 km, centered around NL 48-25-21; WL 106-32-10

This authorization effective January 29, 2008 and
will expire 3:00 A.M. EST July 30, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

ST LOUIS, MO - NL 38-45-04; WL 90-21-24; MOBILE: ST LOUIS, MO. Surface to 50,000 feet, within 402.34 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

Frequency Information

ST LOUIS, MO - NL 38-45-04; WL 90-21-24; MOBILE: ST LOUIS, MO. Surface to 50,000 feet, within 402.34 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.25 MHz	MO	6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

WICHITA, KS - NL 37-37-39; WL 97-16-40; MOBILE: WICHITA, KS. Surface to 50,000 feet, within 402.34 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %

Frequency Information

WICHITA, KS - NL 37-37-39; WL 97-16-40; MOBILE: WICHITA, KS. Surface to 50,000 feet, within 402.34 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

SEATTLE, WA - NL 47-32-21; WL 122-18-44; MOBILE: SEATTLE, WA. Surface to 50,000 feet, within 402.34 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %

Frequency Information

SEATTLE, WA - NL 47-32-21; WL 122-18-44; MOBILE: SEATTLE, WA. Surface to 50,000 feet, within 402.34 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %

Frequency Information

SEATTLE, WA - NL 47-32-21; WL 122-18-44; MOBILE: SEATTLE, WA. Surface to 50,000 feet, within 402.34 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

EVERETT, WA - NL 47-55-32; WL 122-16-28; MOBILE: EVERETT, WA. Surface to 50,000 feet, within 402.34 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %

Frequency Information

EVERETT, WA - NL 47-55-32; WL 122-16-28; MOBILE: EVERETT, WA. Surface to 50,000 feet, within 402.34 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

RENTON, WA - NL 47-29-54; WL 122-13-06; MOBILE: RENTON, WA. Surface to 50,000 feet, within 402.34 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %

Frequency Information

RENTON, WA - NL 47-29-54; WL 122-13-06; MOBILE: RENTON, WA. Surface to 50,000 feet, within 402.34 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.225 MHz	FX	6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %

Frequency Information

RENTON, WA - NL 47-29-54; WL 122-13-06; MOBILE: RENTON, WA. Surface to 50,000 feet, within 402.34 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

WEST TIGER MOUNTAIN, WA - NL 47-30-16; WL 121-58-20; MOBILE: WEST TIGER MOUNTAIN, WA. Surface to 50,000 f

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %

Frequency Information

WEST TIGER MOUNTAIN, WA - NL 47-30-16; WL 121-58-20; MOBILE: WEST TIGER MOUNTAIN, WA. Surface to 50,000 f

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

MOSES LAKE, WA - NL 47-12-07; WL 119-17-54; MOBILE: MOSES LAKE, WA. Surface to 50,000 feet, within 402.34 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %

Frequency Information

MOSES LAKE, WA - NL 47-12-07; WL 119-17-54; MOBILE: MOSES LAKE, WA. Surface to 50,000 feet, within 402.34 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

Frequency Information

GLASGOW, MT - NL 48-25-21; WL 106-32-10; MOBILE: GLASGOW, MT. Surface to 50,000 feet, within 402.34 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.2167 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2167 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.225 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.225 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	MO	5K00A3E 6K00A3E	20 W (ERP)	0.0005 %
136.2333 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2417 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %
136.25 MHz	FX	5K00A3E 6K00A3E	50 W (ERP)	0.0001 %
136.25 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

Frequency Information

GLASGOW, MT - NL 48-25-21; WL 106-32-10; MOBILE: GLASGOW, MT. Surface to 50,000 feet, within 402.34 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.25 MHz	MO	6K00A3E	20 W (ERP)	0.0005 %
136.2583 MHz	FX	5K00A3E	50 W (ERP)	0.0001 %
136.2583 MHz	MO	5K00A3E	20 W (ERP)	0.0005 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) License extension is granted according to Section 5.61(b) of the FCC rules pending the disposition of application 0020-EX-PL-2008. Operations may continue in accordance with the other terms and conditions of the temporary authority pending disposition of the application, unless the applicant is notified otherwise by the Commission.