

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

EXPERIMENTAL

(Nature of Service)

WC9XRL

(Call Sign)

XD MO

(Class of Station)

0808-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:

Flight testing and support demonstrations of UAV (Unmanned Aerial Vehicle) systems.

Station Locations

- (1) MOBILE: R-4501A Cannon Range, FORT LEONARD WOOD (PULASKI), MO, within 3 km, centered around NL 37-44-30; WL 92-08-27
- (2) MOBILE: Phantom RC Field, SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-50-29; WL 90-25-10
- (3) MOBILE: 2600 North 3rd St., SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-48-44; WL 90-28-22

Frequency Information

MOBILE: R-4501A Cannon Range, FORT LEONARD WOOD (PULASKI), MO, within 3 km, centered around NL 37-44-30; WL 92-08-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	1K00A1D	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	

This authorization effective July 30, 2007 and
will expire 3:00 A.M. EST January 28, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: R-4501A Cannon Range, FORT LEONARD WOOD (PULASKI), MO, within 3 km, centered around NL 37-44-30; WL 92-08-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.105 MHz	MO	1K00A1D	1 mW (ERP)	
219.145 MHz	MO	1K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0WXX	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

MOBILE: Phantom RC Field, SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-50-29; WL 90-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	20M0F3F	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 W (ERP)	
219.145 MHz	MO	0K00A1D	1 mW (ERP)	

Frequency Information

MOBILE: Phantom RC Field, SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-50-29; WL 90-25-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	20M0WXX	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	
2473 MHz	MO	20M0F3F	1 W (ERP)	

MOBILE: 2600 North 3rd St., SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-48-44; WL 90-28-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
219.025 MHz	MO	20M0F3F	1 mW (ERP)	
219.065 MHz	MO	1K00A1D	1 mW (ERP)	
219.105 MHz	MO	1K00A1D	1 W (ERP)	
219.145 MHz	MO	0K00A1D	1 mW (ERP)	
902-928 MHz	MO	20M0WXX	2 W (ERP)	
2434 MHz	MO	20M0F3F	1 W (ERP)	

Frequency Information

MOBILE: 2600 North 3rd St., SAINT LOUIS (SAINT CHARLES), MO, within 2 km, centered around NL 38-48-44; WL 90-28-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2473 MHz	MO	20M0F3F	1 W (ERP)	

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) 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.
- (4) The licensee shall avoid interference to 802.11b/g equipment due to the power level requested for use in the 2.4 GHz band.
- (5) The 219-220 MHz band is for wildlife telemetry and no aeronautical mobile operations are permitted in this band.
- (6) Operation is subject to prior coordination with affected existing and future Fixed Microwave Service (Part 101) licensees in accordance with 47 CFR, Part 101.103(d) when using the frequencies 2434 MHz and 2473 MHz.
- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: adds Part 101 and SBE coordination conditions.