

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

EXPERIMENTAL

(Nature of Service)

WI2XRW

(Call Sign)

XT FX MO

(Class of Station)

0471-EX-CR-2020

(File Number)

NAME The Boeing Company

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.

Operation: In accordance with Sec. 5.3(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Boeing Bldg 73-60A King Air Tarmac, Berkeley, MO, within 100 km, centered around NL 38-48-20; WL 90-28-14
- (2) Union, MO - NL 38-26-00; WL 90-58-12; MOBILE: Union Walmart Parking Lot, Union, MO, within 100 km, centered around NL 38-26-00; WL 90-58-12
- (3) MOBILE: Fort Leonard Wood Area, Saint Robert, MO, within 100 km, centered around NL 37-49-29; WL 92-09-16
- (4) Jefferson City, MO - NL 38-32-31; WL 92-07-16; MOBILE: Jefferson City Area, Jefferson City, MO, within 100 km, centered around NL 38-32-31; WL 92-07-16
- (5) Vandalia (FAYETTE), IL - NL 38-57-59; WL 89-08-00; MOBILE: Vandalia Area, Vandalia, IL, within 100 km, centered around NL 38-57-59; WL 89-08-00
- (6) MOBILE: Taum Sauk Mountain area, Ironton, MO, within 100 km, centered around NL 37-34-21; WL 90-43-41
- (7) MOBILE: St. Charles County Smartt Airport area, Portage Des Sioux, MO, within 100 km, centered around NL 38-55-35; WL 90-25-25
- (8) MOBILE: 2600 N Highway 94 area, St. Charles, MO, within 100 km, centered around NL 38-45-02; WL 90-21-11

Frequency Information

MOBILE: Boeing Bldg 73-60A King Air Tarmac, Berkeley, MO, within 100 km, centered around NL 38-48-20; WL 90-28-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D	2.43325 W (ERP)	

This authorization effective October 28, 2020 and
will expire 3:00 A.M. EST November 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Boeing Bldg 73-60A King Air Tarmac, Berkeley, MO, within 100 km, centered around NL 38-48-20; WL 90-28-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Frequency Information

Union, MO - NL 38-26-00; WL 90-58-12; MOBILE: Union Walmart Parking Lot, Union, MO, within 100 km, centered around NI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Frequency Information

MOBILE: Fort Leonard Wood Area, Saint Robert, MO, within 100 km, centered around NL 37-49-29; WL 92-09-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Frequency Information

Jefferson City, MO - NL 38-32-31; WL 92-07-16; MOBILE: Jefferson City Area, Jefferson City, MO, within 100 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Frequency Information

Vandalia (FAYETTE), IL - NL 38-57-59; WL 89-08-00; MOBILE: Vandalia Area, Vandalia, IL, within 100 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D	2.43325 W (ERP)	
		989KG1D		
		1M98G1D		
		3M96G1D		
		8M16G1D		
		9M66G1D		
		15M8G1D		
		19M3G1D		
		2M97G1D		
		6M12G1D		
		7M25G1D		
		11M9G1D		
		14M5G1D		
		23M2G1D		
		32M4G1D		
4400-4940 MHz	MO	495KG1D	24.33247 W (ERP)	
		989KG1D		
		1M98G1D		
		3M96G1D		
		8M16G1D		
		9M66G1D		
		15M8G1D		
		19M3G1D		
		2M97G1D		
		6M12G1D		
		7M25G1D		
		11M9G1D		
		14M5G1D		
		23M2G1D		
		32M4G1D		

Frequency Information

MOBILE: Taum Sauk Mountain area, Ironton, MO, within 100 km, centered around NL 37-34-21; WL 90-43-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO		2.43325 W (ERP)	
		495KG1D		
		989KG1D		
		1M98G1D		
		3M96G1D		
		8M16G1D		
		9M66G1D		
		15M8G1D		
		19M3G1D		
		2M97G1D		
		6M12G1D		
		7M25G1D		
		11M9G1D		
		14M5G1D		
		23M2G1D		
		32M4G1D		
4400-4940 MHz	MO		24.33247 W (ERP)	
		495KG1D		
		989KG1D		
		1M98G1D		
		3M96G1D		
		8M16G1D		
		9M66G1D		
		15M8G1D		
		19M3G1D		
		2M97G1D		
		6M12G1D		
		7M25G1D		
		11M9G1D		
		14M5G1D		
		23M2G1D		
		32M4G1D		

Frequency Information

MOBILE: St. Charles County Smartt Airport area, Portage Des Sioux, MO, within 100 km, centered around NL 38-55-35;
WL 90-25-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Frequency Information

MOBILE: 2600 N Highway 94 area, St. Charles, MO, within 100 km, centered around NL 38-45-02; WL 90-21-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	2.43325 W (ERP)	
4400-4940 MHz	MO	495KG1D 989KG1D 1M98G1D 3M96G1D 8M16G1D 9M66G1D 15M8G1D 19M3G1D 2M97G1D 6M12G1D 7M25G1D 11M9G1D 14M5G1D 23M2G1D 32M4G1D	24.33247 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Stop Buzzer (Primary): Lester Houston III, Desk: 314-234-0621, Mobile: 314-443-8665. Stop Buzzer (Alternate): James Belt, Desk: 314-777-9113/ Mobile: 314-614-5091.
- (5) For renewal, Boeing must provide the updated AFTRCC coordination prior to operation.