

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

EXPERIMENTAL

(Nature of Service)

WL2XHE

(Call Sign)

XT FX

(Class of Station)

0840-EX-CN-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) ST CHARLES (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency Information

ST CHARLES (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2851-21931 kHz	FX	N0N	39 W (ERP)	
1560-1563 MHz	FX	N0N	39 W (ERP)	
1587-1600 MHz	FX	N0N	39 W (ERP)	
2000-2100 MHz	FX	N0N	39 W (ERP)	

This authorization effective December 07, 2020 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

ST CHARLES (ST CHARLES), MO - NL 38-55-36; WL 90-25-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2710-2990 MHz	FX	N0N	39 W (ERP)	
3000-3550 MHz	FX	N0N	39 W (ERP)	
10710-12180 MHz	FX	N0N	39 W (ERP)	
15700-16190 MHz	FX	N0N	39 W (ERP)	

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Prior to commencing any operations in the 11.7-12.2 GHZ frequency band, the applicant must notify all the licensees of its test dates and provide a stop buzzer in case of interference
- (5) The applicant must successfully secure consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to 2000-2100 MHz band
- (6) Licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator in the proposed area prior to operation in 2025-2100 M Hz band.
- (7) Licensee must successfully coordinate with the Fixed Microwave Service licensees in the proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the 2000-2100 MHz and 10710-12180 MHz band.
- (8) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA operations.
- (9) Operation is not permitted the use of the frequency band 90-100 MHz.

Special Conditions:

(10) IB/IHF objects to the following frequencies:

5900-6200 KHz,
7200-7450 KHz,
9400-9900 KHz,
11600-12100 KHz,
13570-13870 KHz,
15100-15800 KHz,
17480-17900 KHz,
18900-19020 KHz,
21450-21850 KHz.

(11) Prior to commencing any operations in the 2000-2010 MHz and 2180-2190 MHz frequency band, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

Cal sign: E060430

Name: TerreStar Networks, Inc.
Phone Number: 703-483-7805
E-Mail: alexandra.field@terrestar.com
Attention: Ms Alexandra Field

DISH Network Corporation, Phone Number: 202-293-1216
E-Mail: alison.minea@dish.com
Attention: Allison Minea

Name: Christopher Bjornson Phone Number: 202-429-3059
Company: Steptoe & Johnson LLP
E-Mail: cbjornson@steptoe.com
Relationship: Legal Counsel

Special Conditions:

- (12) Prior to commencing any operations in the 2010-2020 MHz and 2190-2200 MHz frequency bands, the applicant must notify the earth station licensees listed below of its test dates and provide a stop buzzer in case of interference:

Call Sign: E070272

Name: New ICO Satellite Services G.P.

Phone Number: 425-828-8000

E-Mail: dennis.schmitt@ico.com

Attention: Dennis Schmitt

Name: Joseph A. Godles, Esq.

Phone Number: 202-429-4900

Company: Goldberg Godles Wiener & Wright

E-Mail: jgodles@g2w2.com

Attention: Relationship: Legal Counsel

Name: New DBSD Satellite Services G.P.

Phone Number: 202-293-1216

E-Mail: alison.minea@dish.com

Attention: Ms Alison Minea

Name: Christopher Bjornson Phone Number: 202-429-3059

Company: Steptoe & Johnson LLP

E-Mail: cbjornson@steptoe.com

Attention: Chris Bjornson Relationship: Legal Counsel

Special Conditions:

- (13) Prior to commencing any operations in the 11.7-12.2 GHZ frequency band, the applicant must notify the licensees listed below of its test dates and provide a stop buzzer in case of interference:

Parameters: Latitude=38° 55' 36", Longitude=90° 25' 24",
Call Sign: E890202 File Number: SES-RWL-20090121-00056

Licensee: St Louis Community College
ATTN: Mr Michael Petz
Phone: 314-539-5073 Fax: 314-539-5987 E-Mail: mpetz@stlcc.edu

Site Address/Contact Information: 3400 PERSHALL ROAD, FERGUSON, MO

Call Sign: E960115 File Number: SES-RWL-20060322-00495

Licensee: KDNL Licensee, LLC
ATTN: Kathryn R Schmeltzer Esq
Phone: 202-663-8217 Fax: 202-663-8007 E-Mail:
kathryn.schmeltzer@Pillsburylaw.com

Counsel: PILLSBURY WINTHROP SHAW PITTMAN LLP

Site Address: 1215 COLE STREET, ST. LOUIS, MO

Call Sign: E150142 File Number: SES-LIC-20151203-00906

Licensee: Anthem Inc.
ATTN: Steve LaBrique, Staff VP
Phone: 978-247-6600 Fax: E-Mail: steve.labrique@anthem.com

Counsel: MICHAEL STUBBS
Phone: 720-313-0164

Site Address: 1831 Chestnut Street
Saint Louis, MO
Bruce Crocker 314-452-4347

Speci

Call Sign: E7125 File Number: SES-RWL-20190531-00697

Licensee: NBC Telemundo License LLC

ATTN: Margaret L Tobey

Phone: 202-524-6401 Fax: 202-524-6411 E-Mail: margaret.tobey@nbcuni.com

Site Address/ Contact Information: TELEVISION PLAZA, 10000 MARKET STREET,
ST. LOUIS, MO
MICHELE TULLY 321-723-5395

Call Sign: E000071 File Number: SES-RWL-20100226-00274

Licensee: Community Broadcasting, Inc.

ATTN: Richard P Bott

Phone: 913-642-7770

Counsel: FLETCHER, HEALD & HILDRETH, P.L.C.

Phone: 703-812-0415

Site Address/ Contact Information: 7555 Mackenzie Road, Shrewsbury, MO
Bruce Cavins 913-642-7600

(14) Operation is NOT PERMITTED use of the following frequency bands:

2850 - 3025 kHz
3400 - 3500 kHz
4650 - 4700 kHz
4995 - 5005 kHz
5450 - 5680 kHz
6525 - 6685 kHz
8815 - 8965 kHz
9995 - 10100 kHz
11275 - 11400 kHz
13260 - 13360 kHz
14990 - 15010 kHz
17900 - 17970 kHz
19900 - 20010 kHz
21924 - 22000 kHz