

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

EXPERIMENTAL
(Nature of Service)

XT MO
(Class of Station)

WH2XGT
(Call Sign)

0354-EX-CR-2026
(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: Ft. Leonard Wood, MO, within 32 km, centered around NL 37-44-30; WL 92-08-30
- (2) MOBILE: Edwards AFB, CA, within 48 km, centered around NL 34-49-30; WL 117-49-22
- (3) MOBILE: Victorville, CA, within 48 km, centered around NL 34-35-16; WL 117-22-31
- (4) MOBILE: St. Louis, MO, within 32 km, centered around NL 38-45-03; WL 90-20-43
- (5) MOBILE: Pacific, MO, within 32 km, centered around NL 38-29-07; WL 90-43-56
- (6) MOBILE: Warrenton, MO, within 32 km, centered around NL 38-44-56; WL 91-06-54
- (7) MOBILE: St. Charles, MO, within 32 km, centered around NL 38-55-35; WL 90-25-23
- (8) MOBILE: Huntington Beach, CA, within 20 km, centered around NL 33-44-53; WL 118-02-14
- (9) MOBILE: Vandalia, IL, within 32 km, centered around NL 38-59-30; WL 89-10-00
- (10) MOBILE: Valmeyer, IL, within 32 km, centered around NL 38-18-11; WL 90-18-16

Frequency Information

MOBILE: Ft. Leonard Wood, MO, within 32 km, centered around NL 37-44-30; WL 92-08-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

This authorization effective August 01, 2026 and will expire 3:00 A.M. ET August 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Edwards AFB, CA, within 48 km, centered around NL 34-49-30; WL 117-49-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Victorville, CA, within 48 km, centered around NL 34-35-16; WL 117-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: St. Louis, MO, within 32 km, centered around NL 38-45-03; WL 90-20-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Pacific, MO, within 32 km, centered around NL 38-29-07; WL 90-43-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

Frequency Information

MOBILE: Warrenton, MO, within 32 km, centered around NL 38-44-56; WL 91-06-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: St. Charles, MO, within 32 km, centered around NL 38-55-35; WL 90-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Huntington Beach, CA, within 20 km, centered around NL 33-44-53; WL 118-02-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

MOBILE: Vandalia, IL, within 32 km, centered around NL 38-59-30; WL 89-10-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 W (ERP)	

Frequency Information

MOBILE: Valmeyer, IL, within 32 km, centered around NL 38-18-11; WL 90-18-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.75-12 GHz	MO	150MW3N	3000 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) Licensee must coordinate with all current and pending earth stations via commercial spectrum coordinator knowledgeable of earth station protection criteria is required prior to operating.
- (4) The designated point-of-contact to terminate the systems is Dennis Dugay at 714-642-6716.
- (5) The applicant must coordinate with Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

Special Conditions:

- (7) Prior to commencing any operations at the 10.95-12.2 GHz frequency band, experimental licensee must notify licensees of earth stations (Mobile Earth Stations (MESs)). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees:

MO VSAT Call Sign: E940457
Frequency bands: 11.7-12.2 GHz
Licensee: Wal-Mart Stores, Inc., a Delaware corporation

MO TFE Call Sign: E150024
Frequency bands: 11.7-12.2 GHz
Licensee: Hearst Stations Inc.

CA TFE Call Sign: E100038, E970146, E970143
Frequency bands: 11.7-12.2 GHz
Licensee: Northrop Grumman Systems Corporation

CA TFE Call Sign: E202001, E202118, E202209
Frequency bands: 11.7-12.2 GHz
Licensee: General Atomics Aeronautical Systems, Inc.

CA TFE Call Sign: E110094
Frequency bands: 11.7-12.2 GHz
Licensee: Allen Holdings, Inc. d/b/a Allen Communications

CA VSAT Call Sign: E110012
Frequency bands: 11.7-12.2 GHz
Licensee: General Dynamics Mission Systems, Inc.

CA VSAT Call Sign: E160006, E120004, E140069
Frequency bands: 11.7-12.2 GHz
Licensee: X2nSat

CA VSAT Call Sign: E000329
Frequency bands: 11.7-12.2 GHz
Licensee: iHeartMedia + Entertainment, Inc.

CA VSAT Call Sign: E100082
Frequency bands: 11.7-12.2 GHz
Licensee: Educational Media Foundation

CA VSAT Call Sign: E120202
Frequency bands: 11.7-12.2 GHz
Licensee: IP Access International

CA VSAT Call Sign: E000166
Frequency bands: 11.7-12.2 GHz
Licensee: HNS License Sub, LLC

Speci:

CA VSAT Call Sign: E040169
Frequency bands: 11.7-12.2 GHz
Licensee: Nextel Communications of the Mid-Atlantic, Inc.

CA VSAT Call Sign: E010274
Frequency bands: 11.7-12.2 GHz
Licensee: Viasat, Inc.

CA VSAT Call Sign: E920417
Frequency bands: 11.7-12.2 GHz
Licensee: Educational Media Foundation

CA VSAT Call Sign: E940064
Frequency bands: 11.7-12.2 GHz
Licensee: Southern California Edison Company

CA VSAT Call Sign: E040376
Frequency bands: 11.7-12.2 GHz
Licensee: Spok, Inc.

CA VSAT Call Sign: E060349
Frequency bands: 11.7-12.2 GHz
Licensee: WABC Television (New York), LLC

IL VSAT Call Sign: E060442
Frequency bands: 11.7-12.2 GHz
Licensee: CHICAGO, CITY OF/ OFC OF EMERGENCY COMMUNICATIONS

IL VSAT Call Sign: E880547
Frequency bands: 11.7-12.2 GHz
Licensee: WALGREEN CO.

IL VSAT Call Sign: E060349
Frequency bands: 11.7-12.2 GHz
Licensee: WABC Television (New York), LLC

Mobile Earth station (MES/MSS) Call Sign: E060390
Frequency bands: 11.7-12.2 GHz
Licensee: L-3 Communications Corporation Linkabit Division
Phone Number: 858-552-9944
E-Mail: Mark.Monte@L-3com.com
Name: Mark S. Lawless Phone Number: 801-594-2808
Company: L3 Technologies, Inc.
E-Mail: mark.s.lawless@L3T.com

MES/MSS Call Sign: E060449, E060450, E060451, E060101, E060447, E060448
Frequency bands: 11.7-12.2 GHz
Licensee: Gilat North America, L.L.C. Phone Number: 703-848-1000
E-Mail: lesley.cooper@spacenet.com
Attention: Lesley Cooper

Special

MES/MSS Call Sign: E960474
Frequency bands: 11.7-12.2 GHz
Licensee: Omnitrac, LLC. Phone Number: 469-801-6180
Fax Number: 469-801-6431
E-Mail: darnold@omnitrac.com
Attention: David Arnold
Name: Paul C. Besozzi Phone Number: 202-457-5292
Company: Squire Patton Boggs (US) LLP Fax Number: 202-457-6315
E-Mail: paul.besozzi@squirepb.com

MES/MSS Call Sign: E880423, E040139
Frequency bands: 11.7-12.2 GHz
Licensee: Omnitrac, Inc. Phone Number: 858-651-8838
Fax Number: 858-658-1576
E-Mail: ruelv@omnitrac.com
Attention: Mr. Ruel Valenzuela
Name: Daniel H. Kahn Phone Number: 202-662-5539
Company: Covington & Burling LLP Fax Number: 202-778-5539
E-Mail: dkahn@cov.com

VMES Call Sign: E960413
Frequency bands: 11.7-12.2 GHz
Licensee: ThinKom Solutions Inc. Phone Number: 310-896-3903
Fax Number: 310-214-1066
E-Mail: JorgeR@thin-kom.com
Attention: Mr. Jorge S Raphael

VMES Call Sign: E960413, E170191
Frequency bands: 11.7-12.2 GHz
Licensee: NBC Telemundo License LLC
ATTN: Margaret L Tobey
Phone: 202-524-6401 Fax: 202-524-6411 E-Mail: margaret.tobey@nbcuni.com
Site Contact: MICHELE TULLY 321-723-5395

NGSO BES (Blanket earth station) Call Sign: E190555
Frequency band(s): 11700-12200 MHz
Licensee: Kepler Communications Inc.
Phone Number: 437-537-5371
E-Mail: nspina@keplercommunications.
Attention: Mr Nickolas G Spina

Receive-Only Blanket Earth Station Call Sign: E040344
Direct to Home Fixed Satellite
Frequency band(s): 11700-12200 MHz
Licensee: DISH Operating L.L.C.
Name: EchoStar Satellite L.L.C.
Phone Number: 303-723-1000
Attention: David K Moskowitz

Special Agent: DAVID R. MUSKOWITZ

Name: Pantelis Michalopoulos
Phone Number: 202-429-6494
Company: Steptoe & Johnson LLP
E-Mail: pmichalo@steptoe.com
Attention: Relationship: Legal Counsel

VMES Call Sign: E170121
Frequency bands: 10950- 11200 MHz, 11450- 11950 MHz, 11700- 12200 MHz
Licensee: Intelsat License LLC Phone Number: 703-559-7848
Fax Number: 703-559-8539
E-Mail: Cynthia.Grady@intelsat.com
Attention: Cynthia Grady
Name: Richard Cameron Phone Number: 202-230-4962
Company: LMI Advisors
E-Mail: rcameron@lmiadvisors.com

VMES Call Sign: E140087
Frequency bands: 10700- 12750 MHz
Licensee: Astronics AeroSat Corporation Phone Number: 603-879-0205
E-Mail: jonathan.epstein@astronics.com
Attention: Mr. Jonathan Epstein
Name: Carlos Nalda Phone Number: 5713325626
Company: LMI Advisors
E-Mail: cnalda@lmiadvisors.com

VMES Call Sign: E170070
Frequency bands: 10950- 11200 MHz, 11450- 12200 MHz
Licensee: Kymeta Corporation Phone Number: 425-896-3700
E-Mail: ryans@kymetacorp.com
Attention: Mr Ryan Stevenson
Name: Robert Koppel Phone Number: 703-584-8669
Company: Lukas, LaFuria, Gutierrez & Sachs, LLP
E-Mail: bkoppel@fcclaw.com

VMES Call Sign: E100099
Frequency bands: 11.7-12.2 GHz
Licensee: L3harris Technologies Phone Number: 805-584-1717 x3179
E-Mail: peter.richardson@l3harris.com
Attention: Mr. Peter A Richardson

VMES Call Sign: E110078
Frequency bands: 10950- 11200 MHz, 11450- 11950 MHz, 11700- 12200 MHz
Licensee: KVH Industries, Inc. Phone Number: 401-845-8148
Fax Number: 401-845-8116
E-Mail: ffeingold@kvh.com
Attention: Ms. Felise Feingold
Name: Carlos Nalda Phone Number: 571-332-5626
Company: LMI Advisors

Special E-Mail: cnalda@lmiadvisors.com
Attention: Mr. Carlos Nalda

NGSO BES (Blanket earth station) Call Sign: E190066

Frequency bands: 10700- 12700 MHz
Licensee: SpaceX Services, Inc. Phone Number: 202-649-2700
E-Mail: David.Goldman@spacex.com
Attention: David Goldman

Latitude=34° 49' 30", Longitude=117° 49' 22"
Call Sign: E970144
Frequency bands: 11.7-12.2 GHz
Licensee: Northrop Grumman Systems Corporation
ATTN: DAVID R. SIDDALL
Phone: 202-408-6429 Fax: 202-408-6399 E-Mail: dsiddall@sonnenschein.co

Call Sign: E202209
Frequency bands: 11.7-12.2 GHz
Licensee: General Atomics Aeronautical Systems, Inc.
ATTN: Erica Emel
Phone: 858-879-5167 Fax: 858-312-2920 E-Mail: erica.emel@ga-asi.com

Latitude=34° 35' 16", Longitude=117° 22' 31"

Call Sign: E020331
Frequency bands: 11.7-12.2 GHz
Name: Allen Holdings, Inc. d/b/a Allen Communications
ATTN: Mr Bill Allen
Phone: 562-902-7691 Fax: 562-902-7695

Call Sign: E202209
Frequency bands: 11.7-12.2 GHz

Latitude=38° 45' 03", Longitude=90° 20' 43"
Latitude=38° 55' 35", Longitude=90° 25' 23"

Call Sign: E890202
Frequency bands: 11.7-12.2 GHz
Licensee: St Louis Community College
ATTN: Mr Michael Petz
Phone: 314-539-5073 Fax: 314-539-5987 E-Mail: mpetz@stlcc.edu

VSAT Call Sign: E150142
Frequency bands: 11.7-12.2 GHz
Licensee: Anthem Inc.
ATTN: Steve LaBrique, Staff VP

Special Phone: 978-247-6600 Fax: E-Mail: steve.labrique@anthem.com

Call Sign: E7125
 Frequency bands: 11.7-12.2 GHz
 Licensee: NBC Telemundo License LLC
 ATTN: Margaret L Tobey
 Phone: 202-524-6401 Fax: 202-524-6411 E-Mail: margaret.tobey@nbcuni.com

Call Sign: E000071
 Frequency bands: 11.7-12.2 GHz
 Licensee: Community Broadcasting, Inc.
 ATTN: Richard P Bott
 Phone: 913-642-7770

Latitude=38° 29' 07", Longitude=90° 43' 56"
 Call Sign: E000071
 Frequency bands: 11.7-12.2 GHz

Latitude=33° 44' 53", Longitude=118° 02' 14"
 Call Sign: E010045
 Frequency bands: 11.7-12.2 GHz
 Licensee: The Boeing Company
 ATTN: Mr Ronald E Center
 Phone: 866-248-1493 Fax: 206-662-0701 E-Mail: ronald.e.center@boeing.com

Call Sign: E190560
 Frequency bands: 11.7-12.2 GHz
 Licensee: Calvary Chapel
 ATTN: Marcos O
 Phone: 714-478-3099 Fax: 714-754-7838 E-Mail: mo@kwve.com

Call Sign: E060133
 Frequency bands: 11.7-12.2 GHz
 Licensee: L3 IEC
 ATTN: Mr. William J. Brundage
 Phone: 714-758-4112 Fax: 714-758-4111 E-Mail: bill.brundage@L3Harris.com

Call Sign: E000222
 Frequency bands: 11.7-12.2 GHz
 Licensee: TVB Satellite Platform Inc.
 ATTN: Mr. Philip Tam
 Phone: 562-345-2300 Fax: 562-802-0020 E-Mail: philip.tam@tvbusa.com

Call Sign: E940068
 Frequency bands: 11.7-12.2 GHz
 Licensee: Kiertron, Inc.
 ATTN: W C Alexander
 Phone: 215-628-3500 Fax: 215-628-3500 E-Mail: crisa@crawfordbroadcasting.com

Call Sign: E940068
 Frequency bands: 11.7-12.2 GHz
 Licensee: Kiertron, Inc.
 ATTN: W C Alexander

Specific: Phone: 215-628-3500 Fax: 215-628-3500 E-Mail: crisa@crawfordbroadcasting.com

Call Sign: E950349
Frequency bands: 11450-12.2 GHz
Licensee: California Broadcast Center, LLC
ATTN: Mr Ola Oyefusi
Phone: 202-457-2030 Fax: 214-486-8185 E-Mail: ola.oyefusi@att.com

Call Sign: E010237, E120148, E090107
Frequency bands: 11.7-12.2 GHz
Licensee: California Broadcast Center, LLC
ATTN: Mr Ola Oyefusi
Phone: 202-457-2030 Fax: 214-486-8185 E-Mail: ola.oyefusi@att.com

Call Sign: E970080
Frequency bands: 11.450-11.452 GHz
Licensee: Intelsat License LLC
ATTN: W. Ray Rutngamlug
Phone: 703-559-7799 Fax: 703-559-8539 E-Mail: ray.rutngamlug@intelsat.com

Call Sign: E880494
Frequency bands: 11.7-12.2 GHz
Licensee: Los Angeles County Office of Education
ATTN: Tom Dunlap
Phone: 562-922-6641 Fax: 562-922-8841 E-Mail: dunlap_thomas@laoe.edu

Call Sign: E010081
Frequency bands: 11.7-12.2 GHz
Licensee: R&C Productions, Inc.
ATTN: Mr Billy Chung
Phone: 626-912-3388 Fax: 626-912-5603 E-Mail: billyc@mail.wcetv.com

Call Sign: E080178
Frequency bands: 11.7-12.2 GHz
Licensee: DFH Network Inc.
ATTN: Max Pekcan
Phone: 949-457-8074 Fax: 949-457-9165 E-Mail: max@dfhnet.com

Call Sign: E990024
Frequency bands: 11.7-12.2 GHz
Licensee: Intelsat License LLC
ATTN: W. Ray Rutngamlug
Phone: 703-559-7799 Fax: 703-559-8539 E-Mail: ray.rutngamlug@intelsat.com

Call Sign: E070279
Frequency bands: 11.7-12.2 GHz
Licensee: KINEMATRICS INC.
ATTN: DR. MATHIAS FRANKE
Phone: 626-795-2220 Fax: 626-795-0868 E-Mail: cluna@kmi.com

Call Sign: KA224
Frequency bands: 10.950-11.200 GHz, 11.45-12.2 GHz
Licensee: GlobeCast America Incorporated
ATTN: Mr Michael Hockett

Specie
ATTN: Mr. Michael Hockett

Phone: 212-332-2161 Fax: 212-373-5154 E-Mail: michael.hockett@globecast.com

Call Sign: E950068

Frequency bands: 11.7-12.2 GHz

Licensee: Entravision Holdings, LLC

ATTN: Mr. Mark Boelke

Phone: 310-447-3870 Fax: 310-447-3899 E-Mail: mboelke@entravision.com

Call Sign: E870836

Frequency bands: 11.7-12.2 GHz

Licensee: Tribune Media Company

ATTN: Elizabeth Ryder, Esq.

Phone: 312-222-3894 Fax: E-Mail: eryder@nexstar.tv