

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WG2XNA

(Call Sign)

0143-EX-CR-2021

(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(i) of the Commission's Rules

Station Locations

- (1) El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17
- (2) El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-19

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3625 MHz	FX	N0N	82.144 kW (ERP)	
3625-4200 MHz	FX	N0N	159 kW (ERP)	
5800-6800 MHz	FX	N0N	1 uW (ERP)	
10700-12700 MHz	FX	N0N	2000 kW (ERP)	

This authorization effective May 01, 2021 and
will expire 3:00 A.M. EST May 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-45; WL 118-23-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12750-13750 MHz	FX	N0N	1.5 uW (ERP)	
13750-14000 MHz	FX	N0N	1.5 uW (ERP)	
14000-14500 MHz	FX	N0N	1.5 uW (ERP)	
17300-17800 MHz	FX	N0N	1.5 uW (ERP)	
19700-20200 MHz	FX	N0N	3981 W (ERP)	
29500-30000 MHz	FX	N0N	2.5 uW (ERP)	

El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3625 MHz	FX	N0N	82.144 kW (ERP)	
3625-4200 MHz	FX	N0N	159 kW (ERP)	
5800-6800 MHz	FX	N0N	1 uW (ERP)	

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-55-42; WL 118-23-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10700-12700 MHz	FX	N0N	2000 kW (ERP)	
12750-13750 MHz	FX	N0N	1.5 uW (ERP)	
13750-14000 MHz	FX	N0N	1.5 uW (ERP)	
14000-14500 MHz	FX	N0N	1.5 uW (ERP)	
17300-17800 MHz	FX	N0N	1.5 uW (ERP)	
19700-20200 MHz	FX	N0N	3981 W (ERP)	
29500-30000 MHz	FX	N0N	2.5 uW (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) Prior to activation, licensee must coordinate with Western Area Frequency Coordinator at (760) 939-6948.
- (4) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to Navy assignments.
- (5) The designated point-of-contact if having interference occurs is Steve Dunton 310-364-9337 (Office)/310-292-8524 (Cell).

Special Conditions:

- (6) Licensee must maintain separation from the grand fathered earth stations as defined in Part 90 subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (7) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered station in the 3650-3700 MHz, and notify the registered users in each area prior to operation in 3650-3700 MHz.
- (8) Licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 5800-6800 MHz and 12750-13750 MHz band.
- (9) Licensee must successfully coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (10) The applicant must coordinate its operations in the 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (11) With respect to operations in the 3700-4200 MHz band, the applicant should be made aware that they must avoid causing interference to the existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link: <https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>