

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

EXPERIMENTAL
(Nature of Service)

WF2XST
(Call Sign)

XT FX MO
(Class of Station)

0082-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(i) of the Commission's Rules

Station Locations

- (1) Kent, WA - NL 47-25-08; WL 122-15-10; MOBILE: Kent, WA, within 50 km, centered around NL 47-25-08; WL 122-15-10
- (2) Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 37000 ft AGL, Greenville, TX, within 600 km, centered around NL 33-04-20; WL 96-04-37
- (3) Seattle (KING), WA - NL 47-32-09; WL 122-18-41; MOBILE: Flight 37000 ft AGL, Boeing Field, Seattle, WA, within 600 km, centered around NL 47-32-09; WL 122-18-41
- (4) Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centered around NL 21-20-35; WL 157-57-42
- (5) Glasgrow, MT - NL 48-24-22; WL 106-31-57; MOBILE: Flight 37000 ft AGL, Glasgrow, MT, within 600 km, centered around NL 48-24-22; WL 106-31-57

Frequency Information

Kent, WA - NL 47-25-08; WL 122-15-10; MOBILE: Kent, WA, within 50 km, centered around NL 47-25-08; WL 122-15-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2225 MHz	FX	2M50W7D	4 W (ERP)	
2200-2225 MHz	MO	2M50W7D	4 W (ERP)	

This authorization effective May 13, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kent, WA - NL 47-25-08; WL 122-15-10; MOBILE: Kent, WA, within 50 km, centered around NL 47-25-08; WL 122-15-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2425 MHz	MO	2M50W7D	4 W (ERP)	
2400-2425 MHz	FX	2M50W7D	4 W (ERP)	

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 37000 ft AGL, Greenville, TX, within 600 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2225 MHz	MO	3M85G1D	1532 W (ERP)	
		7M70G1D		
		15M4G1D		
		4M60G1D		
		8M13G1D		
		16M3G1D		
		19M4W7D		

Seattle (KING), WA - NL 47-32-09; WL 122-18-41; MOBILE: Flight 37000 ft AGL, Boeing Field, Seattle, WA, within 600 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2225 MHz	MO	19M4W7D	1532 W (ERP)	
		3M85G1D		
		7M70G1D		
		15M4G1D		
		4M60G1D		
		8M13G1D		
		16M3G1D		

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2225 MHz	MO	19M4W7D 3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	

Glasgow, MT - NL 48-24-22; WL 106-31-57; MOBILE: Flight 37000 ft AGL, Glasgow, MT, within 600 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2225 MHz	MO	19M4W7D 3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 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) The designated point-of-contact to terminate transmissions if interference occurs is Blaine Smith, 253-657-9475.
- (4) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to Navy and Nasa assignments.
- (5) Prior to activation in Honolulu, HI, Boeing must coordinate with Randall Hall at 808-477-9609.

Special Conditions:

- (6) Operation is subject to prior coordination with NASA-White Sands Center (WSC) is required at least 7 days in advance with NASA WSC point-of-contact as designated by the NASA/GSFC spectrum manager, Scott Galbraith at 301-286-5089, VINCENT.S.GALBRAITH@NASA.GOV. For operations within 3 days, licensee may coordinate with the NASA-WSC operations center at 575-527-7157. Non interference basis to NASA space-ground operations.
- (7) Prior to activation, the applicant must coordinate with GSFC SPECT MANAGER, 301-286-5089
- (8) Operation is not permitted in Yuma, AZ and China Lake, CA.
- (9) During transmission, aircraft shall not exceed the altitude listed in the circuit marks field 37,000 ft. AGL.
- (10) Prior to activation, the applicant must coordinate with WAFC 760-939-6948.