

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

EXPERIMENTAL

(Nature of Service)

WG2XSI

(Call Sign)

XT FX MO

(Class of Station)

0258-EX-CR-2019

(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) MOBILE: Restricted Area R2310, Florence, AZ, within 80 km, centered around NL 33-04-48; WL 111-22-21
- (2) Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28
- (3) Huntington Beach (ORANGE), CA - NL 33-44-50; WL 118-02-04
- (4) China Lake (KERN), CA - NL 35-31-31; WL 117-13-48; MOBILE: China Lake, CA, within 37.04 km, centered around NL 35-31-31; WL 117-13-48

Frequency Information

MOBILE: Restricted Area R2310, Florence, AZ, within 80 km, centered around NL 33-04-48; WL 111-22-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.2125 MHz	MO	12K5F9W	0.76 W (ERP)	
433.2625 MHz	MO	12K5F9W	0.76 W (ERP)	
1780 MHz	MO	18M0F9W	4.85 W (ERP)	

This authorization effective August 01, 2019 and
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Restricted Area R2310, Florence, AZ, within 80 km, centered around NL 33-04-48; WL 111-22-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840 MHz	MO	18M0F9W	20 W (ERP)	
4400 MHz	MO	700KF9W	538 W (ERP)	
4470 MHz	MO	700KF9W	538 W (ERP)	
4490 MHz	MO	700KF9W	538 W (ERP)	
4510 MHz	MO	700KF9W	538 W (ERP)	
4780 MHz	MO	20M0F9W	8.5 W (ERP)	
4790 MHz	MO	20M0F9W	8.5 W (ERP)	
4810 MHz	MO	20M0F9W	8.5 W (ERP)	
4888 MHz	MO	20M0F9W	8.5 W (ERP)	

Frequency Information

Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.2125 MHz	FX	12K5F9W	0.76 W (ERP)	
433.2625 MHz	FX	12K5F9W	0.76 W (ERP)	
1780 MHz	FX	18M0F9W	4.85 W (ERP)	
1840 MHz	FX	18M0F9W	4.85 W (ERP)	
4400 MHz	FX	700KF9W	538 W (ERP)	
4470 MHz	FX	700KF9W	538 W (ERP)	
4490 MHz	FX	700KF9W	538 W (ERP)	
4510 MHz	FX	700KF9W	538 W (ERP)	
4780 MHz	FX	20M0F9W	8.5 W (ERP)	
4790 MHz	FX	20M0F9W	8.5 W (ERP)	

Frequency Information

Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4810 MHz	FX	20M0F9W	8.5 W (ERP)	
4888 MHz	FX	20M0F9W	8.5 W (ERP)	

Huntington Beach (ORANGE), CA - NL 33-44-50; WL 118-02-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.2125 MHz	FX	12K5F9W	0.76 W (ERP)	
433.2625 MHz	FX	12K5F9W	0.76 W (ERP)	
1780 MHz	FX	18M0F9W	4.85 W (ERP)	
1840 MHz	FX	18M0F9W	4.85 W (ERP)	
4400 MHz	FX	700KF9W	538 W (ERP)	
4470 MHz	FX	700KF9W	538 W (ERP)	
4490 MHz	FX	700KF9W	538 W (ERP)	

Frequency Information

Huntington Beach (ORANGE), CA - NL 33-44-50; WL 118-02-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4510 MHz	FX	700KF9W	538 W (ERP)	
4780 MHz	FX	20M0F9W	8.5 W (ERP)	
4790 MHz	FX	20M0F9W	8.5 W (ERP)	
4810 MHz	FX	20M0F9W	8.5 W (ERP)	
4888 MHz	FX	20M0F9W	8.5 W (ERP)	

China Lake (KERN), CA - NL 35-31-31; WL 117-13-48; MOBILE: China Lake, CA, within 37.04 km, centered around NL 35-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.2125 MHz	MO	12K5F9W	0.76 W (ERP)	
433.2625 MHz	MO	12K5F9W	0.76 W (ERP)	
1780 MHz	MO	18M0F9W	4.85 W (ERP)	
1840 MHz	MO	18M0F9W	4.85 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-31-31; WL 117-13-48; MOBILE: China Lake, CA, within 37.04 km, centered around NL 35-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 MHz	MO	700KF9W	538 W (ERP)	
4470 MHz	MO	700KF9W	538 W (ERP)	
4490 MHz	MO	700KF9W	538 W (ERP)	
4510 MHz	MO	700KF9W	538 W (ERP)	
4780 MHz	MO	20M0F9W	8.5 W (ERP)	
4790 MHz	MO	20M0F9W	8.5 W (ERP)	
4810 MHz	MO	20M0F9W	8.5 W (ERP)	
4888 MHz	MO	20M0F9W	8.5 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The designated point-of-contact to terminate the system if interference occurs is Kris L. Kokkeby at 951-258-8736.
- (4) Prior to activation, the applicant must coordinate with Western Area Frequency Coordinator at 760-939-6948.

Special Conditions:

- (5) During transmission, aircraft shall not exceed the altitude 12,500 ft AGL.