

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XEM

(Call Sign)

0221-EX-CR-2017

(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: San Antonio, TX, within 1 km, centered around NL 29-22-23; WL 98-34-13

Frequency Information

MOBILE: San Antonio, TX, within 1 km, centered around NL 29-22-23; WL 98-34-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.45 MHz	MO	6K00A3E 25K0A3E 6K00A2D 25K0A2D	17.226 W (ERP)	
139.55 MHz	MO	12K4A3E 6K00A2D 12K4A2D 6K00A3E	17.226 W (ERP)	
147.1 MHz	MO	6K00A3E 25K0A3E	17.226 W (ERP)	

This authorization effective August 01, 2017 and
will expire 3:00 A.M. EST August 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: San Antonio, TX, within 1 km, centered around NL 29-22-23; WL 98-34-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
147.1 MHz	MO	25K0A2D 6K00A2D	17.226 W (ERP)	
149.325 MHz	MO	6K00A3E 25K0A3E 6K00A2D 25K0A2D	17.226 W (ERP)	
149.525 MHz	MO	12K4A2D 6K00A2D 12K4A3E 6K00A3E	17.226 W (ERP)	
158.5125 MHz	MO	6K00A3E 25K0A2D 6K00A2D 25K0A3E	34.452 W (ERP)	
160.2 MHz	MO	6K00A3E 25K0A3E 6K00A2D 25K0A2D	34.452 W (ERP)	
160.9425 MHz	MO	6K00A3E 25K0A3E 6K00A2D 25K0A2D	34.452 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) The designated point-of-contact to terminate the systems if having interference occurs is James L. Taylor, at (316) 209-1576.
- (5) Operation the frequency band 139.55 MHz and 149.525 MHz is NOT PERMITTED using the bandwidth exceed 12.49 KHz.
- (6) Operation is NOT PERMITTED using the frequency 139.625 MHz due to anticipated harmful interference to US Navy operations.