

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WG2XMB

(Call Sign)

0071-EX-CR-2016

(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) Newington, VA - NL 38-43-42; WL 77-11-39

Frequency Information

Newington, VA - NL 38-43-42; WL 77-11-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	25M0G1D	1.022644 pW (ERP)	
1575.42 MHz	FX	25M0G1D	1.022644 pW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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 transmissions if interference occurs is Arun Rajmohan (703) 682-9541.

This authorization effective January 06, 2017 and
will expire 3:00 A.M. EST December 11, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (6) Boeing Company shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (7) The test equipment shall only be used indoors and shall be under the control of Boeing Company.
- (8) Operation is limited to activity for the purpose of testing radio navigation satellite service (RNSS) equipment and systems.
- (9) No EIRP greater than -140 dBm/24 MHz at 100 feet is used.