

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WJ9XGQ

(Call Sign)

XT MO

(Class of Station)

1217-EX-ST-2016

(File Number)

NAME The Boeing Company

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

The purpose of this STA is to support testing at Camp Atterbury, Indiana, of Freewave and Cobham equipment.

**Station Locations**

- (1) MOBILE: 400 Foot Flight Level, Camp Atterbury, IN, within 40 km, centered around NL 39-20-22; WL 86-01-10

**Frequency Information**

MOBILE: 400 Foot Flight Level, Camp Atterbury, IN, within 40 km, centered around NL 39-20-22; WL 86-01-10

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 902-928 MHz   | MO            | 230KF1D             | 1 W (ERP)        |                           |
| 2300-2310 MHz | MO            | 10M0F3F             | 2 W (ERP)        |                           |
| 2355-2482 MHz | MO            | 16M0F3F             | 2 W (ERP)        |                           |

This authorization effective September 01, 2016 and  
will expire 3:00 A.M. EST March 02, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (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 flight level is limited to 400 feet.
- (5) FAA will only approve these frequency bands for proof-of-concept/demonstration purposes only. The approval of this STA by FAA is not an endorsement of this frequency usage in unlicensed bands.
- (6) Licensee must notch out the frequency band 2310-2355 MHz.
- (7) The applicant must coordinate with the local Society of Broadcast Engineer frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2300-2500 MHz band.
- (8) The applicant must get "consent" of all Wireless Communications Service licensees (2305-2310 MHz/2355-2360 MHz) within 50 miles of the test area.
- (9) The applicant must be "notification" of Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area.