

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WK9XAO

(Call Sign)

0844-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:**

To support the development of the Datapath CCT-200 Viasat KuKarray, and the Boeing SFF antenna system over the air test communicating with Inmarsat-5 F2.

**Station Locations**

(1) Arlington (TARRANT), TX - NL 32-40-12; WL 97-05-24

**Frequency Information**

Arlington (TARRANT), TX - NL 32-40-12; WL 97-05-24

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 20.2-21.2 GHz | FX            | 22M1M1D<br>9M93M1D<br>7M40M1D<br>13M8M1D | 100000 W (ERP)   |                           |
| 30-31 GHz     | FX            | 13M8M1D<br>7M40M1D<br>9M83M1D            | 24781 W (ERP)    |                           |

This authorization effective June 20, 2016 and  
will expire 3:00 A.M. EST December 21, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Arlington (TARRANT), TX - NL 32-40-12; WL 97-05-24

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 30-31 GHz | FX            | 22M1M1D             | 24781 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) POINT-OF-COMMUNICATION: INMARSAT-5 F2.
- (4) All testing/demonstration under this authorization will be conducted on NIB to DoD Ops.
- (5) Boeing is required to notify Travis Inghram (Email: travis.j.ingram.civ@mail.mil) and Johnnie Best (Email: johnnie.w.best1@navy.mil) prior to and at the end of each testing/demonstration.
- (6) Boeing is required to notify Travis Inghram (Email:travis.j.ingram.civ@mail.mil) and (johnnie.w.best1@navy.mil) of new/different frequencies issued by Inmarsat during the duration of this authorization.
- (7) Thinkomm and Boeing SFF terminal locations are fixed station operation (mobility limited to taxi only, no flight operations) and are confined to Arlington, TX.
- (8) The Thinkom terminal will operate with a radome, and the Boeing SFF terminal operate with existing WAIM dielectric cover during any testing/demonstration.
- (9) The Stop Buzzer POC, Samir Patel (310) 227-7178 or Boeing 24 hour NOC hotline: (855) 556-1001 must be available during any testing or demonstration under this authorization.
- (10) DoD is not responsible for coordinating and obtaining agreement from INMARSAT for accessing to INMARSAT satellite for any testing/ demonstration under this authorization.