

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

EXPERIMENTAL

(Nature of Service)

WL9XVD

(Call Sign)

XT FX MO

(Class of Station)

1400-EX-ST-2017

(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:

Experimental satellite terminal testing.

Station Locations

- (1) Dahlgren (KING GEORGE), VA - NL 38-20-00; WL 77-02-09; MOBILE: Within Naval Surface Warfare Center Dahlgren, within 20 km, centered around NL 38-20-00; WL 77-02-09

Frequency Information

Dahlgren (KING GEORGE), VA - NL 38-20-00; WL 77-02-09; MOBILE: Within Naval Surface Warfare Center Dahlgren, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.2-21.2 GHz	MO	360MM1D	95499.2586 W (ERP)	
20.2-21.2 GHz	MO	360MM1D	363078.05477 W (ERP)	

This authorization effective October 05, 2017 and
will expire 3:00 A.M. EST April 06, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Dahlgren (KING GEORGE), VA - NL 38-20-00; WL 77-02-09; MOBILE: Within Naval Surface Warfare Center Dahlgren, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.2-21.2 GHz	MO	9M50M1D	7413.10241 W (ERP)	
20.2-21.2 GHz	MO	8M00M1D	64565.4229 W (ERP)	
30-31 GHz	MO	360MM1D	4168693.8347 W (ERP)	
30-31 GHz	MO	360MM1D	1479108.38817 W (ERP)	
30-31 GHz	MO	9M50M1D	15488.16619 W (ERP)	
30-31 GHz	MO	8M00M1D	134896.28826 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) All testing shall be IAW the configuration that was coordinated with AFSMO.
- (4) This STA is limited to 6 months and is subject to re-coordination with AF (Jimmy Nguyen, Email: jimmy.nguyen@us.af.mil).
- (5) As soon as possible, but no later than 3 business days prior to any planned testing, Boeing is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) and Travis J. Inghram (Email:travis.j.ingram.civ@mail.mil, ARSTRAT) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD operations, additional evaluations and/or restrictions will be required.