

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

EXPERIMENTAL

(Nature of Service)

WN9XNX

(Call Sign)

XT FX MO

(Class of Station)

1745-EX-ST-2018

(File Number)

NAME Lockheed Martin Corporation

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:

Demo of developmental radar system for government customer at Ft AP Hill, VA.

Station Locations

- (1) Ft. AP Hill (CAROLINE), VA - NL 38-07-04; WL 77-16-35; MOBILE: Ft. AP Hill, VA, within 2 km, centered around NL 38-07-04; WL 77-16-35

Frequency Information

Ft. AP Hill (CAROLINE), VA - NL 38-07-04; WL 77-16-35; MOBILE: Ft. AP Hill, VA, within 2 km, centered around NL 38-07-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	30M0VXN	13 W (ERP)	
4400-4940 MHz	MO	30M0VXN	13 W (ERP)	
4990-5000 MHz	FX	10M0VXN	13 W (ERP)	

This authorization effective November 05, 2018 and
will expire 3:00 A.M. EST November 13, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ft. AP Hill (CAROLINE), VA - NL 38-07-04; WL 77-16-35; MOBILE: Ft. AP Hill, VA, within 2 km, centered around NL 38-07-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4990-5000 MHz	MO	10M0VXN	13 W (ERP)	
5250-5600 MHz	FX	30M0VXN	13 W (ERP)	
5250-5600 MHz	MO	30M0VXN	13 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) Lockheed Martin should note that the 4400 – 4940 MHz band is allocated for fixed/mobile Federal operations which may not be appropriate for radar systems.
- (4) Lockheed Martin must not operate on the following frequencies:
 - 4455 MHz (+/- 3.84 MHz)
 - 4625 MHz (+/- 3.84 MHz)
 - 4725 MHz (+/- 3.84 MHz)
 - 4530 MHz (+/- 10 MHz)
 - 4710 MHz (+/- 10 MHz)