

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

EXPERIMENTAL

(Nature of Service)

WO9XRK

(Call Sign)

XT      FX MO

(Class of Station)

0985-EX-ST-2019

(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:**

Applicant will be testing UAS sensor capabilities. Operations will be conducted at an altitude not to exceed 150m (500 FT).

**Station Locations**

- (1) San Diego (SAN DIEGO), CA - NL 32-41-27; WL 117-07-49; MOBILE: San Diego, CA, within 20 km, centered around NL 32-41-27; WL 117-07-49

**Frequency Information**

San Diego (SAN DIEGO), CA - NL 32-41-27; WL 117-07-49; MOBILE: San Diego, CA, within 20 km, centered around NL 32-4

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5250-5800 MHz | FX            | 30M0W9W             | 100 W (ERP)      |                           |
| 5250-5800 MHz | MO            | 30M0W9W             | 100 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.

This authorization effective July 22, 2019 and  
will expire 3:00 A.M. EST August 03, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.