

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

EXPERIMENTAL

(Nature of Service)

WS9XOP

(Call Sign)

XT FX MO

(Class of Station)

1283-EX-ST-2021

(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 intends to operate an unmanned aircraft, with the identified equipment providing command and control (C2) and surveillance capabilities.

Station Locations

- (1) Yuma (YUMA), AZ - NL 33-01-00; WL 114-16-03; MOBILE: Yuma, AZ. Within 75 km of coordinates, 400 feet AGL, within 75 km, centered around NL 33-01-00; WL 114-16-03

Frequency Information

Yuma (YUMA), AZ - NL 33-01-00; WL 114-16-03; MOBILE: Yuma, AZ. Within 75 km of coordinates, 400 feet AGL, within 75 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2227 MHz	MO	10M0D1D	16 W (ERP)	
2227 MHz	FX	10M0D1D	59.2 W (ERP)	
2237 MHz	FX	10M0D1D	59.2 W (ERP)	

This authorization effective August 25, 2021 and
will expire 3:00 A.M. EST November 26, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Yuma (YUMA), AZ - NL 33-01-00; WL 114-16-03; MOBILE: Yuma, AZ. Within 75 km of coordinates, 400 feet AGL, within 75 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2237 MHz	MO	10M0D1D	16 W (ERP)	
2247 MHz	FX	10M0D1D	59.2 W (ERP)	
2247 MHz	MO	10M0D1D	16 W (ERP)	
2257 MHz	MO	10M0D1D	16 W (ERP)	
2257 MHz	FX	10M0D1D	59.2 W (ERP)	
2267 MHz	FX	10M0D1D	59.2 W (ERP)	
2267 MHz	MO	10M0D1D	16 W (ERP)	
2277 MHz	MO	10M0D1D	16 W (ERP)	
2277 MHz	FX	10M0D1D	59.2 W (ERP)	

Special Conditions:

- (1) Lockheed Martin Corporation required to provide the Stop Buzzer POC info to Air Force (Email: jimmy.nguyen@us.af.mil).
- (2) Lockheed Martin Corporation must notch out 2227 MHz (+/- 3 MHz)

Special Conditions:

- (3) All operations are on a non-interference basis to authorized federal users, and long term or multiple location use of the requested frequency bands may not be possible. Lockheed Martin Corporation should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.
- (4) Lockheed Martin Corporation must pre-coordinate airborne use of this system in the band 2200-2290 MHz with agencies owning earth stations listed in Section 8.3.15 of the NTIA Manual whenever the system operates from an airborne platform within 880 km of such stations (the predetermined coordination distance specified in Appendix 7 of the ITU Radio Regulations (Table 10)). Lockheed Martin Corporation should be aware of the difficulty of coordinating assignments in the band 2200-2290 MHz when the necessary bandwidth exceeds 5 megahertz.
- (5) All mobile operations in the 2200-2290 MHz band are limited to line-of-sight operations only.
- (6) The maximum ERP shall not exceed 59.2W (97W EIRP).