

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

EXPERIMENTAL

(Nature of Service)

WQ9XMQ

(Call Sign)

XC FX MO

(Class of Station)

0728-EX-ST-2020

(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:

Operations are intended to validate the functionality of a radio type for UAS command and control. WSMR Range has been briefed on our test plan and has approved use of the airspace up to 30,000 ft AGL.

Station Locations

- (1) White Sands (SIERRA), NM - NL 32-52-13; WL 106-25-09; MOBILE: Within 32 km of coordinates, within 32 km, centered around NL 32-52-13; WL 106-25-09

Frequency Information

White Sands (SIERRA), NM - NL 32-52-13; WL 106-25-09; MOBILE: Within 32 km of coordinates, within 32 km, centered around NL 32-52-13; WL 106-25-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	594KF1D	4.84 W (ERP)	0.025 %
902-928 MHz	MO	594KF1D	600 mW (ERP)	0.025 %

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 20, 2020 and
will expire 3:00 A.M. EST September 21, 2020

**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) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 346 miles of the contours of the testing area:
 - Location & Monitoring Service licensees (902-928 MHz)
- (4) Lockheed Martin must schedule operations as a White Sands Missile Range (WSMR) range mission, through the WSMR Range Sponsor. Final authority to radiate is contingent upon successful scheduling, and de-confliction, of both spectrum, and airspace, with other area-wide operations.
- (5) Concurrence is based on the flight test vehicle operating autonomously and the radio link will be for telemetry downlink only.