

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

EXPERIMENTAL

(Nature of Service)

WS9XTD

(Call Sign)

XT MO

(Class of Station)

1412-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:

Testing and demonstration of unmanned aircraft communications capabilities for potential customers, including United States Army.

Station Locations

- (1) MOBILE: Littleton, CO, within 1 km, centered around NL 39-30-29; WL 105-05-54
- (2) MOBILE: Littleton, CO, within 1 km, centered around NL 39-29-18; WL 105-01-35

Frequency Information

MOBILE: Littleton, CO, within 1 km, centered around NL 39-30-29; WL 105-05-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2222 MHz	MO	20M0D1D	15.3 W (ERP)	
2242 MHz	MO	20M0D1D	15.3 W (ERP)	
2262 MHz	MO	20M0D1D	15.3 W (ERP)	

This authorization effective September 27, 2021 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Littleton, CO, within 1 km, centered around NL 39-30-29; WL 105-05-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2282 MHz	MO	20M0D1D	15.3 W (ERP)	

MOBILE: Littleton, CO, within 1 km, centered around NL 39-29-18; WL 105-01-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2222 MHz	MO	20M0D1D	15.3 W (ERP)	
2242 MHz	MO	20M0D1D	15.3 W (ERP)	
2262 MHz	MO	20M0D1D	15.3 W (ERP)	
2282 MHz	MO	20M0D1D	15.3 W (ERP)	

Special Conditions:

- (1) The 2290-2300 MHz band shall not be used for airborne operation.
- (2) The aircraft altitude for testing and demonstration under the authorization of this STA will not exceed 400 feet AGL.
- (3) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. 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.