

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

EXPERIMENTAL

(Nature of Service)

WS9XLF

(Call Sign)

XT MO

(Class of Station)

1126-EX-ST-2021

(File Number)

NAME Raytheon Company (Missiles & Defense - M)

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:

Test and demo of UAV system

Station Locations

- (1) MOBILE: San Clemente Island, CA, within 1 km, centered around NL 32-57-05; WL 118-32-08
- (2) MOBILE: San Clemente Island, CA. Airborne mobile operations 1 km radius, within 1 km, centered around NL 32-57-05; WL 118-32-08
- (3) MOBILE: San Clemente Island, CA. Primarily water-based operations offshore, within 24 km, centered around NL 32-48-19; WL 118-42-51
- (4) MOBILE: San Clemente Island, CA. Airborne within 24 km radius of center, within 24 km, centered around NL 32-48-19; WL 118-42-51

Frequency Information

MOBILE: San Clemente Island, CA, within 1 km, centered around NL 32-57-05; WL 118-32-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1362 MHz	MO	20M0D1D 20M0G1D	49 W (ERP)	

This authorization effective September 01, 2021 and
will expire 3:00 A.M. EST January 16, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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1372 MHz	MO	20M0D1D 20M0G1D	49 W (ERP)	
1382 MHz	MO	20M0D1D 20M0G1D	49 W (ERP)	

MOBILE: San Clemente Island, CA. Airborne mobile operations 1 km radius, within 1 km, centered around NL 32-57-05; WL 118-32-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1362 MHz	MO	16M0D1D 16M0G1D	6 W (ERP)	
1372 MHz	MO	20M0D1D 20M0G1D	6 W (ERP)	
1382 MHz	MO	16M0D1D 16M0G1D	6 W (ERP)	

MOBILE: San Clemente Island, CA. Primarily water-based operations offshore, within 24 km, centered around NL 32-48-19; WL 118-42-51

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MOBILE: San Clemente Island, CA. Airborne within 24 km radius of center, within 24 km, centered around NL 32-48-19; WL 118-42-51

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1372 MHz	MO	20M0D1D 20M0G1D	6 W (ERP)	
1382 MHz	MO	16M0D1D 16M0G1D	6 W (ERP)	

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) Airborne emissions in the 1390-1400 MHz frequency band are not permitted in accordance with Footnote US79.

Special Conditions:

- (4) Operation in the 1352-1400 MHz frequency band shall comply with the limits of unwanted emission recommendations specified for mobile stations in ITU Resolution 750 (Rev. WRC-19).
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Jim Ortega at 520-794-0227.
- (7) Future use of 1362 MHz may be restricted in certain areas to avoid interference to FAA facilities.