

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WA8XCS

(Call Sign)

1263-EX-ST-2026

(File Number)

NAME General Dynamics Mission Systems

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:

The purpose of the experiment is to validate the performance of a new software defined radio through assessment of drone-to-drone radio data links in an airborne operational environment.

Station Locations

- (1) Lucerne Dry Lakebed, CA - NL 34-30-03; WL 116-57-31; MOBILE: Lucerne Dry Lakebed, CA, within 8 km, centered around NL 34-30-03; WL 116-57-31
- (2) Lucerne Dry Lakebed, CA - NL 34-30-03; WL 116-57-31; MOBILE: Lucerne Dry Lakebed, CA Up to 2000 feet AGL, within 8 km, centered around NL 34-30-03; WL 116-57-31
- (3) Soggy Dry Lakebed, CA - NL 34-26-56; WL 116-40-57; MOBILE: Soggy Dry Lakebed, CA, within 8 km, centered around NL 34-26-56; WL 116-40-57
- (4) Soggy Dry Lakebed, CA - NL 34-26-56; WL 116-40-57; MOBILE: Soggy Dry Lakebed, CA Up to 2000 feet AGL, within 8 km, centered around NL 34-26-56; WL 116-40-57

Frequency Information

Lucerne Dry Lakebed, CA - NL 34-30-03; WL 116-57-31; MOBILE: Lucerne Dry Lakebed, CA, within 8 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1695-1710 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %

This authorization effective August 14, 2026 and
will expire 3:00 A.M. EST February 11, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lucerne Dry Lakebed, CA - NL 34-30-03; WL 116-57-31; MOBILE: Lucerne Dry Lakebed, CA, within 8 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2483.5 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
4550-4750 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
5725-5850 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %

Lucerne Dry Lakebed, CA - NL 34-30-03; WL 116-57-31; MOBILE: Lucerne Dry Lakebed, CA Up to 2000 feet AGL, within 8 kr

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4550-4750 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
5725-5850 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %

Frequency Information

Soggy Dry Lakebed, CA - NL 34-26-56; WL 116-40-57; MOBILE: Soggy Dry Lakebed, CA, within 8 km, centered around NL 3.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1695-1710 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
2400-2483.5 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
4550-4750 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %
5725-5850 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %

Soggy Dry Lakebed, CA - NL 34-26-56; WL 116-40-57; MOBILE: Soggy Dry Lakebed, CA Up to 2000 feet AGL, within 8 km, c

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5725-5850 MHz	MO	3M00G1D	153 mW (ERP)	0.00015 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.
- (3) 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.
- (4) Notify the Advanced Wireless Service licensees in the proposed areas prior to accessing to the frequencies from 1695 MHz to 1710 MHz.
- (5) Coordinate with the Fixed Microwave Service licensees in the proposed venues prior to operation in the frequencies from 2450 MHz to 2485.3 MHz.
- (6) Coordination is required with the NASA JPL Spectrum Manager (DENNIS.K.LEE@JPL.NASA.GOV, 818.354.0068) at least 3 days in advance of operating transmissions are line-of-sight of Pasadena, CA (341206N, 1181020W) and overlapping any portion of 4715-4720 MHz.