

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

EXPERIMENTAL

(Nature of Service)

WL9XNZ

(Call Sign)

XT FX MO

(Class of Station)

0950-EX-ST-2018

(File Number)

NAME Aviation Communication and Surveillance Systems (ACSS)

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:

Evaluate and test a radar product for future use in airborne operations, providing a pilot increased situation awareness.

Station Locations

- (1) Phoenix (MARICOPA), AZ - NL 33-41-12; WL 112-05-47; MOBILE: Deer Valley Airport (DVT). Max alt 10000 ft AGL., within 150 km, centered around NL 33-41-12; WL 112-05-47

Frequency Information

Phoenix (MARICOPA), AZ - NL 33-41-12; WL 112-05-47; MOBILE: Deer Valley Airport (DVT). Max alt 10000 ft AGL., within 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-15.7 GHz	MO	300MF0N	6 W (ERP)	0.000094 %

Special Conditions:

- (1) Coordination with DoD AFC AZ, (520) 538-6423 is required prior to intended use, and use is not assured for any time period due to scheduled or ongoing Yuma Proving Ground testing.
- (2) Aviation Communication and Surveillance Systems (ACSS) acknowledges that this radar will not be used for air traffic control purposes of aircraft separation.

This authorization effective August 01, 2018 and
will expire 3:00 A.M. EST February 01, 2019

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COMMISSION**



Special Conditions:

- (3) Applicant should be aware that the band 15.4-15.7 GHz is allocated for federal radiolocation and aeronautical radionavigation services, and it should have no expectations of automatic approval in this band in future submissions.
- (4) Testing is limited to small UAS only. Please provide details to the FAA POC; Mr. Rodney Murphy, at rodney.murphy@faa.gov.