

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

EXPERIMENTAL

(Nature of Service)

WQ9XIE

(Call Sign)

XT FX MO

(Class of Station)

0151-EX-ST-2020

(File Number)

NAME Airbus

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:

To fly a High Altitude Psuedo Satellite UAV in the Yuma Proving Ground in Arizona as part of a joint civilian military trial over the period May to September 2020.

Station Locations

- (1) Yuma (YUMA), AZ - NL 32-58-30; WL 114-16-15; MOBILE: Yuma Proving Ground, Arizona, within 200 km, centered around NL 32-58-30; WL 114-16-15
- (2) MOBILE: Yuma Proving Ground, Yuma, AZ: Airborne, max altitude 75,000 feet AGL, within 200 km, centered around NL 32-58-30; WL 114-16-15

Frequency Information

Yuma (YUMA), AZ - NL 32-58-30; WL 114-16-15; MOBILE: Yuma Proving Ground, Arizona, within 200 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
150-156.0125 MHz	MO	25K0F3E	5 W (ERP)	2.5 %
452-456 MHz	MO	25K0F1D	1 W (ERP)	2.5 %

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST October 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Yuma Proving Ground, Yuma, AZ: Airborne, max altitude 75,000 feet AGL, within 200 km, centered around NL 32-58-30; WL 114-16-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.393-2.397 GHz	MO	20M0G7W	300 mW (ERP)	2.5 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, AZ, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (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) Licensee is not authorized to operate in the 156.0125-163 MHz frequency band
- (4) Airbus must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 150-162 MHz and 452-456 MHz bands. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (5) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 387 miles of the contours of the testing area:
 - > Paging Service licensees in 152 MHz
 - > Paging Service licensees in 158 MHz
 - > Paging Service licensees in 152 MHz/158 MHz
 - > Paging Service licensees in 454 MHz/459 MHz
 - > General Aviation Air-Ground Service in 454 MHz/459 MHz
- (6) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (7) Airbus must notch out the following, in order to protect ongoing operations in the requested area:
 - a. (+/- 3 kHz) 150.300 MHz
 - b. (+/- 5.5 kHz) 150.225 MHz, 150.275 MHz, 150.5625 MHz
 - c. (+/- 12.5 kHz) 453.2125 MHz, 453.4625 MHz, 453.7125 MHz, 453.8625 MHz
- (8) Airbus must coordinate/schedule through their YPG Test Officer with YPG SMO (Steven Sparks 928-328-7144) for final local approval NLT 2 weeks prior to operations.

Special Conditions:

- (9) Airbus must coordinate with the following, at least 5 days prior to operations:
- a. Navy and Marine Corps Spectrum Management Office management Office North West at russell.potter@navy.mil, (360) 396-7075.
 - b. Mr. Carl D. Tilander, Regional Spectrum Manager, Marine Corps Installations West (MCIWEST), Commercial (760) 725-2808, DSN 361-2808, MCIWEST NIPR OMB: MCIWEST_Spectrum@usmc.mil.
 - c. Jamie Heaton, CIV, DOD Western Area Frequency Coordinator, 760-939-6832, DSN: 437-6832.
- (10) Non-interference basis to civil Flight Test telemetry.
- (11) S-band data link for air-ground transmission high rate telemetry and Payload data Possibility if multiple platforms of use simultaneously.
- (12) Frequencies are fixed and customer has stated that they have already discussed usage of requested frequencies with YPG personnel with no issues voiced.