

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

EXPERIMENTAL

(Nature of Service)

WL9XCB

(Call Sign)

XT FX MO

(Class of Station)

0378-EX-ST-2017

(File Number)

NAME Airborne Wireless Networks

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:

AWN is developing an airborne communications system and would like to perform tests of radio links between two aircraft and from aircraft to ground.

Station Locations

- (1) Roswell (CHAVES), NM - NL 33-18-17; WL 104-31-53; MOBILE: , within 20 km, centered around NL 33-18-17; WL 104-31-53

Frequency Information

Roswell (CHAVES), NM - NL 33-18-17; WL 104-31-53; MOBILE: , within 20 km, centered around NL 33-18-17; WL 104-31-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14600-14800 MHz	FX	1M00G7D 10M0G7D	17 W (ERP)	1.0E-8 %
15150-15350 MHz	MO	1M00G7D 10M0G7D	214 W (ERP)	1.0E-8 %

This authorization effective April 24, 2017 and
will expire 3:00 A.M. EST September 25, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Operations will be strictly on a non-interference basis to licensed DoD users.
- (2) Airborne Wireless Networks (AWN) will coordinate all operations with the WSMR DoD-AFC, at least 96 hours in advance, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. AWN will cite the FCC license number, provide start/stop dates and times, provide a Cease Emission POC and phone number, and notify WSMR DoD-AFC of any cancellations.
- (3) Airborne operations shall direct their radiation towards the ground station at all times. Airborne radiation shall occur during level flight. At no time will the aircraft radiate during banking.
- (4) AWN is urged to take all practicable steps to protect radio astronomy operations.