

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

EXPERIMENTAL

(Nature of Service)

WM9XJP

(Call Sign)

XT MO

(Class of Station)

0157-EX-ST-2018

(File Number)

NAME Avitas Systems, Inc.

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:

Demonstration of the reliability of an emission scheme as it relates to confirming a communication network for an unmanned aerial system in a wireless MIMO configuration.

Station Locations

- (1) MOBILE: Mentone, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 31-44-58; WL 104-29-51
- (2) MOBILE: Port Isabel, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 26-09-59; WL 97-44-21
- (3) MOBILE: Port Mansfield, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 26-33-29; WL 97-26-10
- (4) MOBILE: Fort Stockton, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 30-54-35; WL 102-54-46

Frequency Information

MOBILE: Mentone, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 31-44-58; WL 104-29-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380 MHz	MO	20M0D7W	10 W (ERP)	0.002 %

This authorization effective March 01, 2018 and
will expire 3:00 A.M. EST March 24, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Port Isabel, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 26-09-59; WL 97-44-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380 MHz	MO	20M0D7W	10 W (ERP)	0.002 %

MOBILE: Port Mansfield, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 26-33-29; WL 97-26-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380 MHz	MO	20M0D7W	10 W (ERP)	0.002 %

MOBILE: Fort Stockton, TX: max altitude 200 ft. AGL, within 37 km, centered around NL 30-54-35; WL 102-54-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380 MHz	MO	20M0D7W	10 W (ERP)	0.002 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, 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 AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.