

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

EXPERIMENTAL

(Nature of Service)

WP9XMS

(Call Sign)

XT MO

(Class of Station)

1880-EX-ST-2019

(File Number)

NAME uAvionix Corporation

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:

Development testing is for proof-of-concept only, and related to use of L-band for UDS-B operations

Station Locations

- (1) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (2) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (3) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (4) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (5) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (6) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (7) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (8) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (9) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17
- (10) MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

This authorization effective October 28, 2019 and
will expire 3:00 A.M. EST April 29, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

Frequency Information

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

Frequency Information

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

MOBILE: Bigfork MT up to Flight Level 60, within 30 km, centered around NL 48-05-30; WL 114-06-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
983 MHz	MO	1M29G1D	500 mW (ERP)	0.005 %

Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) NTIA's concurrence is based upon the expectation that uAvionix Corporation will adhere to the conditions listed in NG T190202, pre-coordination with FAA. Operations shall not cause interference and disruption to the National Airspace System operations.
- (5) 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.