

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

EXPERIMENTAL

(Nature of Service)

WH9XHX

(Call Sign)

XT MO

(Class of Station)

0078-EX-ST-2014

(File Number)

NAME Astronics AeroSat 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:

Temporary experimental operations to validate terminal operations and support follow-on commercial application. Please see attached Narrative and Technical Appendix.

Station Locations

- (1) MOBILE: CONUS and adjacent international waters

Frequency Information

MOBILE: CONUS and adjacent international waters

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	160KG7D 5M12G7D	16.946 kW (ERP)	

Special Conditions:

- (1) Astronics AeroSat may not operate the system fixed or from any ground vehicle located with 125 KM of NASA's White Sands Complex Earth station at coordinates 322954N 1063631W
- (2) Astronics AeroSat may not operate the system from any aeronautical vehicle operating at any altitude above ground within radio line-of-sight of NASA's White Sands Complex Earth station at coordinates 322954N 1063631W

This authorization effective March 01, 2014 and
will expire 3:00 A.M. EST September 01, 2014

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Notification of dates, times and locations of any system operation shall be provided to the NASA Goddard Space Flight Center Spectrum Manager, prior to operations via email notification to vincent.s.galbraith@nasa.gov.