

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WC9XPO

(Call Sign)

0880-EX-ST-2006

(File Number)

NAME AeroSat Airborne Internet LLC

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:

FAA Demonstration

Station Locations

- (1) Egg Harbor Township, NJ - NL 39-26-58; WL 74-33-57; MOBILE: North of 34 NL, South of 42 NL, East of 76 WL, and West of 68 WL at altitudes of up to 51,000 feet

Frequency Information

Egg Harbor Township, NJ - NL 39-26-58; WL 74-33-57; MOBILE: North of 34 NL, South of 42 NL, East of 76 WL, and West of 68 WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	5M80F7W	9.66 W (ERP)	
902-928 MHz	FX	5M80F7W	9.66 W (ERP)	
11.2-11.45 GHz	FX	50M0F7W	13.34 kW (ERP)	

This authorization effective January 13, 2007 and
will expire 3:00 A.M. EST July 14, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



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11.2-11.45 GHz	FX	50M0D7W	13.34 kW (ERP)	
14.2-14.4 GHz	MO	50M0F7W 50M0D7W	15.32 kW (ERP)	

Special Conditions:

- (1) 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.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) Transmissions in the 14.2-14.4 GHz band are authorized in the air-to-ground direction only.
- (4) Emissions to within 15 degrees of the Geostationary Orbit are limited to a Maximum EIRP density of -30 dBW in any 4 kHz band (i.e. -30 dBW/4 kHz) (Note: new 15 degree spacing)
- (5) This STA may be terminated or modified at the FCC's discretion, without a hearing, if conditions warrant
- (6) No renewals of this experimental STA will be permitted
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by FAA Contract Number DTFAWA-05-C-00093. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (8) The stop buzzer contact Frank Blanda shall be available at telephone number 603-672-0894 during testing and shall be responsible for terminating testing in the event of harmful interference.
- (9) This license supersedes previous grant for license 0370-EX-ST-2006.
- (10) Transmissions in the 11.2-11.7 GHz band are limited to the 11.2-11.45 GHz band in the ground-to-air direction only. Prior to commencement of these operations Aerosat must contact Mobile Satellite Ventures (MSV) regarding any earth stations operating in the 11.2-11.45 GHz band to ensure that Aerosat's operations will not cause interference to MSV's operations