

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

EXPERIMENTAL

(Nature of Service)

WC9XYO

(Call Sign)

XD FX MO

(Class of Station)

0309-EX-ST-2007

(File Number)

NAME Mobile Satellite Ventures Subsidiary 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:

Conducting a limited test and demonstration of the Ancillary Terrestrial Component (ATC) portion a Mobile Satellite System (MSS).

Station Locations

- (1) Reston, VA - NL 38-57-52; WL 77-21-17; MOBILE: Reston Town Center, Reston, VA, within 1 km, centered around NL 38-57-52; WL 77-21-17
- (2) Herndon, VA - NL 38-57-34; WL 77-24-01; MOBILE: Herndon, VA, within 1 km, centered around NL 38-57-34; WL 77-24-01
- (3) Reston, VA - NL 38-56-58; WL 77-21-21; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-58; WL 77-21-21
- (4) Reston, VA - NL 38-56-43; WL 77-18-54; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-43; WL 77-18-54
- (5) Dranesville, VA - NL 38-59-21; WL 77-19-35; MOBILE: Dranesville, VA, within 1 km, centered around NL 38-59-21; WL 77-19-35
- (6) Reston, VA - NL 38-56-55; WL 77-22-06; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-55; WL 77-22-06

This authorization effective September 01, 2007 and
will expire 3:00 A.M. EST March 02, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Reston, VA - NL 38-57-52; WL 77-21-17; MOBILE: Reston Town Center, Reston, VA, within 1 km, centered around NL 38-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Frequency Information

Herndon, VA - NL 38-57-34; WL 77-24-01; MOBILE: Herndon, VA, within 1 km, centered around NL 38-57-34; WL 77-24-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Frequency Information

Reston, VA - NL 38-56-58; WL 77-21-21; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-58; WL 77-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Frequency Information

Reston, VA - NL 38-56-43; WL 77-18-54; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-43; WL 77-18-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Frequency Information

Dranesville, VA - NL 38-59-21; WL 77-19-35; MOBILE: Dranesville, VA, within 1 km, centered around NL 38-59-21; WL 77-19-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Frequency Information

Reston, VA - NL 38-56-55; WL 77-22-06; MOBILE: Reston, VA, within 1 km, centered around NL 38-56-55; WL 77-22-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1552.5-1556 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1552.5-1556 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1652.62-1656.12 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1652.62-1656.12 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1656.12-1659.62 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1656.12-1659.62 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Special Conditions:

(1) NTIA approves this STA as long as the power levels do not exceed:

-77.8 dBW/4 kHz EIRP for gateway equipment

-87.8 dBW/4 kHz EIRP for PCMCIA equipment

Special Conditions:

- (2) NTIA would like to comment for any future applications the following:

The current MSV license does not permit reverse band operations where mobile terminals transmit in the downlink band and base stations transmit in the uplink band. NTIA has developed an out-of-channel emission level of -90.3 dBW/4 kHz EIRP for mobile terminals operating in the 1525-1559 MHz band to protect satellite mobile earth terminals used by the federal government.

- (3) This license SUPERSEDES the previously issued license with the same call sign and file number: adds a condition and amends a condition.