

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WE2XPD

(Call Sign)

XD FX MO

(Class of Station)

0041-EX-TC-2008

(File Number)

NAME Mobile Satellite Ventures Subsidiary LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1554.25 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %

This authorization effective March 31, 2010 and
will expire 3:00 A.M. EST August 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

HERNDON, VA - NL 38-57-34; WL 77-24-01; MOBILE: Herndon, VA, within 1 km, centered around NL 38-57-34; WL 77-24-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1554.25 MHz	FX	3M50D7D	204 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 (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

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 (+/-)
1554.25 MHz	FX	3M50D7D	204 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 (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

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 (+/-)
1554.25 MHz	FX	3M50D7D	204 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 (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

DRANESVILLE, VA - NL 38-59-21; WL 77-19-35; MOBILE: Dranesville, VA, within 1 km, centered around NL 38-59-21; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1554.25 MHz	FX	3M50D7D	204 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 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

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 (+/-)
1554.25 MHz	FX	3M50D7D	204 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 (+/-)
1554.25 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1554.25 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1654.37 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1654.37 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %
1657.87 MHz	FX	3M50D7D	204 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.13 W (ERP)	0.0003 %
1657.87 MHz	MO	3M50D7D	0.79 W (ERP)	0.0003 %

Special Conditions:

(1) NTIA approves 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.