

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

EXPERIMENTAL

(Nature of Service)

WA2XST

(Call Sign)

XD FX

(Class of Station)

0028-EX-RR-2009

(File Number)

NAME Lockheed Martin Corporation

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(k) of the Commission's Rules

Station Locations

(1) Eagan (DAKOTA), MN - NL 44-50-01; WL 93-01-02

Frequency Information

Eagan (DAKOTA), MN - NL 44-50-01; WL 93-01-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1646.5 MHz	FX	24K0G1D	1.2 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Equipment: One (1) Rockwell DATA*SAT INMARSAT-M terminal.
- (4) Lockheed Martin shall assure that adequate guard bands are provided between the band edges of its carriers and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.
- (5) Neither the aggregate uplink EIRP densities in the direction of any other L-band satellite serving the United States, nor the downlink EIRP densities at any geographical point within the United States, shall be increased as a result of the addition of experimental operations on this satellite over those densities previously authorized.

This authorization effective May 01, 2009 and
will expire 3:00 A.M. EST May 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) Lockheed Martin shall notify MSV prior to commencing operations and identify its point of contact.
- (7) POINT OF COMMUNICATION: INMARSAT 3F2 Satellite.
- (8) Operations are permitted on those frequencies previously used for authorized operations on the Inmarsat 3F2 satellite, except that operations are not permitted on certain frequencies, made available to Inmarsat by MSV USA and MSV Canada as part of the operator-to-operator coordination process, the use of which is currently an issue pending in the Commission's International Bureau.