

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

EXPERIMENTAL

(Nature of Service)

WD2XSB

(Call Sign)

XD MO

(Class of Station)

0390-EX-ST-2005

(File Number)

NAME General Dynamics SATCOM Technologies, Inc.

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:

Demonstration and training of Ku-band VSAT-type satcom sub-meter mobile terminals to the U.S. military for satellite-communications-on-the-move.

Station Locations

(1) MOBILE: CONUS

Frequency Information

MOBILE: CONUS

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.36-14.5 GHz	MO	2M60G1D	48.8 kW (ERP)	0.00001 %

Special Conditions:

- (1) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.

This authorization effective July 25, 2005 and
will expire 3:00 A.M. EST January 25, 2006

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) POINTS OF COMMUNICATION: Intelsat 707 at 53 degrees West Longitude, AMC-9 at 83 degrees W.L., Horizons 1 at 127 degrees W.L., IA-5 at 97 degrees W.L., IA-6 at 93 degrees W.L., IA-7 at 129 degrees W.L. and IA-8 at 89 degrees W.L.
- (3) Prior to commencement of operation with any satellite listed as a point of communication pursuant to this special temporary authority (STA), General Dynamics SATCOM Technologies, Inc. shall obtain certifications from the owners of the satellites used as points of communication that the respective owners have notified all satellite operators with co-frequency operations within 6 degrees longitude of the respective satellites used as points of communication, generally describing the experimental operations authorized herein, including the term thereof, and providing a point of contact for the purpose of resolving any complaints of interference. General Dynamics SATCOM Technologies, Inc. shall obtain a similar certification from the owner of any satellite used as a point of communication if, during the term of this STA, a new or different satellite operator commences co-frequency operations within 6 degrees longitude of any satellite used as a point of communication. If the point of contact receives a complaint of harmful interference, the party receiving the complaint (if not General Dynamics SATCOM Technologies, Inc.) will notify General Dynamics SATCOM Technologies, Inc., and General Dynamics SATCOM Technologies, Inc. shall immediately cease such operations or adjust such operations to avoid harmful interference. General Dynamics SATCOM Technologies, Inc. will submit a copy of Intelsat's certification(s) to the Commission for incorporation into the record of this file.
- (4) Licensee shall coordinate operations with the National Radio Astronomy Observatory's VLBA site at Hancock, NH. (POC Mr. Dan Mertely at Socorro, NM, Phone: 505- 835-7027 and e-mail: dmertely@nrao.edu) and with Wes Sizemore at Green Bank. (Phone: 304-456-2107, e-mail: wsizemor@nrao.edu).
- (5) Licensee shall coordinate with the Camp Pendleton Base Frequency Manager, SSgt Bradwell, 760-725-2808, prior to operations on Camp Pendleton property.