

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WC9XXT

(Call Sign)

0270-EX-ST-2007

(File Number)

NAME Raytheon Company

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:

Testing and demonstrating the performance of the FFAST Phase Array Antenna/HNS Broadband modem system with the Inmarsat-4F2 satellite.

Station Locations

(1) Dalgren (KING GEORGE), VA - NL 38-20-01; WL 77-01-57

Frequency Information

Dalgren (KING GEORGE), VA - NL 38-20-01; WL 77-01-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.6266-1.6605 GHz	MO	33MOD1W	208.92961 pW (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) 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.

This authorization effective June 18, 2007 and
will expire 3:00 A.M. EST June 22, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) 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, above the levels previously authorized in connection with operations using the Inmarsat 3F4 satellite, as a result of the operations authorized by this license.
- (5) Operations are permitted on those frequencies previously used for authorized U.S. mobile earth terminal operations on the Inmarsat 3F4 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 connection with BT Americas' request for regular authority.
- (6) Adequate guard bands shall be provided between the band edges of the carriers used by BT Americas and the band edges of MSV's operations in order to preclude the possibility of unacceptable interference to MSV's operations.
- (7) POINT OF COMMUNICATION: INMARSAT 4F2 Satellite.