

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WD2XJU

(Call Sign)

0370-EX-ST-2004

(File Number)

NAME Hughes Network Systems, 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:

Conducting manufacturer trials of user terminals using the existing Inmarsat 3 satellite in preparation for operations on the upcoming Inmarsat 4 satellite network.

Station Locations

- (1) San Diego (SAN DIEGO), CA - NL 32-54-31; WL 117-11-26
- (2) MOBILE: At temporarily fixed locations within 60 km of Gaithersburg (MONTGOMERY), MD, within 60 km, centered around NL 39-09-02; WL 77-12-31

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-54-31; WL 117-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	FX	156KD7W	51.8 W (ERP)	
1626.65-1627.15 MHz	FX	156KG7W	51.8 W (ERP)	
1626.65-1627.15 MHz	FX	31K2D7W	51.8 W (ERP)	
1626.65-1627.15 MHz	FX	31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	156KD7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	156KG7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	31K2D7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2D7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2G7W	51.8 W (ERP)	

This authorization effective June 15, 2004 and
will expire 3:00 A.M. EST September 16, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Diego (SAN DIEGO), CA - NL 32-54-31; WL 117-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1649.82-1650.05 MHz	FX	156KD7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	156KG7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	31K2D7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	31K2G7W	51.8 W (ERP)	

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1626.65-1627.15 MHz	FX	156KD7W	51.8 W (ERP)	
1626.65-1627.15 MHz	FX	156KG7W	51.8 W (ERP)	
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1630.7-1631.035 MHz	FX	156KG7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2D7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	31K2D7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	156KD7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	156KG7W	51.8 W (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) POINT OF COMMUNICATION: INMARSAT Satellite
- (3) Prior to operation of this experimental earth station with any INMARSAT satellite system, the satellite service provider must obtain an appropriate authorization from the International Bureau of the Federal Communications Commission.