

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

EXPERIMENTAL

(Nature of Service)

WD2XJU

(Call Sign)

XD FX

(Class of Station)

0137-EX-ML-2005

(File Number)

NAME Hughes Network Systems, sub 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(g & i) of the Commission's Rules

Station Locations

- (1) San Diego (SAN DIEGO), CA - NL 32-54-31; WL 117-11-26
- (2) Gaithersburg, MD - NL 39-09-02; WL 77-12-31
- (3) Onley (ACCOMACK), VA - NL 37-37-24; WL 75-22-50
- (4) Maxwelton (GREENBRIER), WV - NL 37-51-59; WL 80-22-52
- (5) Luray (HAMPTON), SC - NL 32-50-01; WL 81-18-40
- (6) Ashby (BIBB), AL - NL 33-00-50; WL 86-55-25
- (7) Mountain Dale (SULLIVAN), NY - NL 41-40-13; WL 74-31-15
- (8) Fort Lauderdale (BROWARD), FL - NL 25-07-30; WL 80-07-30
- (9) San Francisco (SAN FRANCISCO), CA - NL 37-46-12; WL 122-27-00

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX		51.8 W (ERP)	
		156KG7W		
		156KD7W		
		31K2G7W		
		31K2D7W		

This authorization effective November 16, 2005 and
will expire 3:00 A.M. EST June 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Gaithersburg, MD - NL 39-09-02; WL 77-12-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Onley (ACCOMACK), VA - NL 37-37-24; WL 75-22-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Maxwelton (GREENBRIER), WV - NL 37-51-59; WL 80-22-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Luray (HAMPTON), SC - NL 32-50-01; WL 81-18-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W	51.8 W (ERP)	

Frequency Information

Luray (HAMPTON), SC - NL 32-50-01; WL 81-18-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Ashby (BIBB), AL - NL 33-00-50; WL 86-55-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Mountain Dale (SULLIVAN), NY - NL 41-40-13; WL 74-31-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W 31K2G7W 31K2D7W	51.8 W (ERP)	

Fort Lauderdale (BROWARD), FL - NL 25-07-30; WL 80-07-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KG7W 156KD7W	51.8 W (ERP)	

Frequency Information

Fort Lauderdale (BROWARD), FL - NL 25-07-30; WL 80-07-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	31K2G7W 31K2D7W	51.8 W (ERP)	

San Francisco (SAN FRANCISCO), CA - NL 37-46-12; WL 122-27-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1650.05 MHz	FX	156KD7W 156KG7W 31K2D7W 31K2G7W	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