

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

EXPERIMENTAL
(Nature of Service)

XD FX
(Class of Station)

WD2XFP
(Call Sign)

0017-EX-TC-2004
(File Number)

NAME Hughes Network Systems, Inc.

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.

Station Locations

- (1) Germantown (MONTGOMERY), MD - NL 39-10-43; WL 77-14-41
- (2) Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49

Frequency Information

Germantown (MONTGOMERY), MD - NL 39-10-43; WL 77-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19700-20200 MHz	FX	500MG7W	0.1 mW (ERP)	

Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29500-30000 MHz	FX	650KG7W	25.5 kW (ERP)	
29500-30000 MHz	FX	2M61G7W	25.5 kW (ERP)	
29500-30000 MHz	FX	20M9G7W	25.5 kW (ERP)	
29500-30000 MHz	FX	20M9G7W	32.5 kW (ERP)	
29500-30000 MHz	FX	2M61G7W	32.5 kW (ERP)	
29500-30000 MHz	FX	650KG7W	32.5 kW (ERP)	
29500-30000 MHz	FX	650KG7W	54 nW (ERP)	
29500-30000 MHz	FX	2M61G7W	54 nW (ERP)	
29500-30000 MHz	FX	20M9G7W	54 nW (ERP)	

This authorization effective May 10, 2004 and
will expire 3:00 A.M. EST August 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.