

**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)

0049-EX-AL-2004

(File Number)

NAME HNS License 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(i) of the Commission's Rules

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
- (3) Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49
- (4) Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49
- (5) Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49
- (6) Germantown (MONTGOMERY), MD - NL 39-10-46; WL 77-14-49
- (7) Germantown (MONTGOMERY), MD - NL 39-10-45; WL 77-14-52
- (8) Germantown (MONTGOMERY), MD - NL 39-10-45; WL 77-14-52

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	385 uW (ERP)	

This authorization effective February 07, 2005 and
will expire 3:00 A.M. EST May 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29500-30000 MHz	FX	2M61G7W 20M9G7W	67.2 kW (ERP)	
29500-30000 MHz	FX	650KG7W	16.8 kW (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	2M61G7W 20M9G7W	233 kW (ERP)	
29500-30000 MHz	FX	650KG7W	58.2 kW (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	20M9G7W	1.3 MW (ERP)	
29500-30000 MHz	FX	2M61G7W	520 kW (ERP)	
29500-30000 MHz	FX	650KG7W	130 kW (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29500-30000 MHz	FX	20M9G7W 2M61G7W	153.8 kW (ERP)	
29500-30000 MHz	FX	650KG7W	38.5 kW (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	2M61G7W 20M9G7W	88.5 kW (ERP)	
29500-30000 MHz	FX	650KG7W	22.1 kW (ERP)	

Germantown (MONTGOMERY), MD - NL 39-10-45; WL 77-14-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19.7-20.2 GHz	FX	500MG7W	2.9 kW (ERP)	

Frequency Information

Germantown (MONTGOMERY), MD - NL 39-10-45; WL 77-14-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	650KG7W	473 kW (ERP)	
29.5-30 GHz	FX	2M61G7W	1.892 MW (ERP)	
29.5-30 GHz	FX	20M9G7W	16.56 MW (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.