

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD2XFP

(Call Sign)

0078-EX-ST-2005

(File Number)

NAME HNS License Sub, LLC

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 of Ka-band earth station equipment using an in-orbit satellite.

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 39-10-45; WL 77-14-52
- (4) North Las Vegas (CLARK), NV - NL 36-14-21; WL 115-07-06
- (5) CONUS, US

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 24, 2005 and
will expire 3:00 A.M. EST April 25, 2005

**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	20M9G7W	1.3 MW (ERP)	
29500-30000 MHz	FX	2M61G7W	520 kW (ERP)	
29500-30000 MHz	FX	650KG7W	130 kW (ERP)	
29500-30000 MHz	FX	39M0G7W	30 MW (ERP)	

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)	

Frequency Information

North Las Vegas (CLARK), NV - NL 36-14-21; WL 115-07-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	39M0G7W	30 MW (ERP)	

CONUS, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.5-30 GHz	FX	250KG7W	52.7 kW (ERP)	
29.5-30 GHz	FX	320KG7W	65.9 kW (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: AMC-16.