

**Exhibit A**  
**HNS License Sub, LLC**  
**Call Sign WD2XJU**  
**Request for Modification**

**Description of Application**

HNS License Sub, LLC (“HNS”) hereby requests a modification to the earth station license of WD2XJU in the following regards:

- a. the addition of 7 geographic locations in which the satellite earth station or “terminal” can be operated;
- b. a confirmation of the radius for the two original test areas; and
- c. a modification to the current frequency plan.

**Additional of Geographical Areas**

HNS is a manufacturer of satellite terminals that are specifically designed for operation on Inmarsat satellites. New hardware or software configurations require verification over the satellite in order to confirm correct operation of the terminal. In addition, HNS frequently conducts demonstration of pre-production units to customers.

HNS through this application requests permission to add the seven (7) test areas where the satellite terminals can be operated for testing or demonstration purposes. Each test area consists of a 60 km circle around the geographical point listed in Table 1. The sites being proposed would allow for trial deployment of the terminal in a variety of different terrains, elevation angles and weather conditions. Testing of the terminal under a variety of conditions is required in order to verify the robustness of the terminal design.

HNS would like to point out that in the electronic application form to which this exhibit is attached, all the azimuth and elevation values have been set to zero. This is

because a deployed satellite terminal can access multiple Inmarsat satellites from its geographic location which results in several pairs of azimuth and elevation for each site.

**TABLE 1**

<i>Latitude NL</i>	<i>Longitude WL</i>	<i>Radius (km)</i>	<i>Nearest City</i>	<i>State</i>
37-37-24	75-22-50	60	Onley	Virginia
37-51-59	80-22-52	60	Maxwelton	West Virginia
32-50-01	81-18-40	60	Luray	South Carolina
33-00-50	86-55-25	60	Ashby	Alabama
41-40-13	74-31-15	60	Mountain Dale	New York
25-07-30	80-07-30	60	Fort Lauderdale	Florida
37-46-12	122-27-00	60	San Francisco	California

Increase in Radius of Two Test Areas

In its original application under file number 0116-EX-PL-2004, HNS requested permission to operate its Inmarsat terminals in either Germantown, MD or San Diego CA. In the original application, HNS requested permission to operate the terminal within 60 km of the geographic location identified for Germantown and did not specify a radius for San Diego. As part of this application, HNS requests permission to operate within 60 km of the geographic location identified for both Germantown, MD and San Diego, CA, if such authority has not already been granted.

Change in Frequency Plan

The current experimental license contains a frequency plan that reflects the Inmarsat 3 satellite design. The new Inmarsat 4 satellites that have recently been launched use a slightly different frequency plan, which would not be completely covered

under the current license. Rather than having two separate frequency plans included with this license, HNS requests permission to use any of the currently authorized emission codes anywhere in the frequency range from 1626.5 to 1650.05 MHz. Through this simplification, HNS terminals will be able to use the appropriate frequency on either series of Inmarsat satellite.

This change does not impact either the transmitted power, which will remain at an ERP of 51.8 Watts or the emission codes, which will remain as 156KD7W, 156KG7W, 31K2D7W, and 31K2G7W.