

IB2006000403

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Hotbird-7A LEOP STA

I. Applicant

Name:	Universal Space Network, Inc.	Phone Number:	215-328-9130
DBA Name:		Fax Number:	215-328-9132
Street:	417 Caredean Drive Suite A	E-Mail:	jswank@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:	Joanne Swank		

Conditions Attached



File # SES-STA-20060210-00225

Call Sign E060022 Grant Date 2/16/06
(or other identifier)

From 2/21/06 Term Expires 3/21/06
For

Approved: Jeannette D. Springs

Attachment

SES-STA-20060210-00225 Call Sign E060022

Universal Space Network, Inc.'s application for Special Temporary Authority is GRANTED WITH CONDITIONS.

1. All operations shall be on an unprotected, non-interference basis.
2. All operations shall expire no later than 10-days from the date of launch.
3. All operations shall be limited to launch and early orbit.
4. Point of Contact for Operations is 949-863-1848 or 215-620-1123 and must be available while the frequencies are in use.

2. Contact

Name:	Joanne Greet-Swank	Phone Number:	215-394-0127
Company:	Universal Space Network, Inc.	Fax Number:	215-382-9132
Street:	417A Caredean Drive	E-Mail:	jswank@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:	Joanne Greet-Swank	Relationship:	Same

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number or Submission ID

4a. Is a fee submitted with this application?

If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

Governmental Entity Noncommercial educational licensee

Other (please explain):

4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant

Change Station Location

Other

6. Requested Use Prior Date

02/17/2006

7. City Naalehu

8. Latitude

(dd mm ss.s h) 19 0 50.3 N

9. State HI	10. Longitude (dd mm ss.s h) 155 39 46.6 W
11. Please supply any need attachments. Attachment 1: Hotbird 7A exhibits Attachment 2: Hotbird 7A form 312 Attachment 3: Hotbird 7A SBE ltr	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">Hotbird-7A request for STA during LEOP for 10 days. Launch date of 2/21/2006</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Joanne Greet-Swank	15. Title of Person Signing Program Compliance Manager
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

February 10, 2006

Mr. Frank Peace
Satellite Engineering Branch
Satellite and Radiocommunications Policy Division
International Bureau
Federal Communications Commission
Room 7A-430
445 12th Street, S.W.
Washington, DC 20544

Subject: Universal Space Network
Request for Special Temporary Authority for Hotbird-7A

Dear Mr. Peace,

With this letter, Universal Space Network, Inc. (USN) respectfully submits this formal application for Special Temporary Authority (STA) to provide telemetry and telecommand data delivery and control support in S-band during the launch and early orbit operations (LEOP) of the Hotbird-7A spacecraft.

The original of this letter is being sent, along with the required FCC Form 159 and accompanying MasterCard charge for the appropriate amount of \$155.00, as required by the FCC as outlined the FCC booklet "International and Satellite Services Fee Filing Guide," to the above address in Pittsburgh.

The launch is scheduled for 21 February 2006 from the Kourou in French Guyana. The Hotbird-7A spacecraft is a communications satellite built for Eutelsat for direct-to-home TV broadcasting service and will be placed into geosynchronous. The telemetry and telecommanding are in S-band for the Hotbird-7A spacecraft.

USN has been contracted to provide orbit-raising telemetry and telecommanding data delivery and control support to Telespazio, our customer, in S-band. USN is seeking authorization to provide this support through its South Point, Hawaii earth station.

In requesting STA for the above, USN knows that its proposed USN earth stations operations are required to be conducted on an unprotected, non-interference basis to government operations.

USN understands that the STA it is asking to be granted would authorize USN to operate a 13-meter fixed earth station at Naalehu, Hawaii, to be used to provide launch telecommand and telemetry to Telespazio's S-band space station.

USN, headquartered at 1501 Quail Street, Suite 102, Newport Beach CA 92660, owns and operates a network of satellite earth stations that provide telemetry, tracking and control (telecommanding) (TT&C) to commercial and government satellite operators. USN provides customers with access to a TT&C network linking the customer's facilities to the customer's

satellite assets in space. USN maintains strategically located remote ground stations around the earth and a permanent, 7 day-a-week, 24 hours-a-day communications headquarters.

USN is the owner and operator of a fixed satellite earth station located at 93-1704 South Point Road, Naalehu, Hawaii 96772-0842, latitude 19° 00' 50.3" N, Longitude 155° 39' 46.6" W (NAD-83), Site Identifier USHI01. The earth station has a single Datron 1453 antenna, size 13 meters, located 20 meters above ground level and 378 meters above sea level, with antenna gain on transmit of 45.9dBi @ 2060.0MHz and on receive of 46.9dBi @ 2250MHz. The uplink frequency for the Hotbird-7A spacecraft is 2085.9MHz with an EIRP required of 68dBW, and the required downlink frequency 2265.2MHz. The polarization is selectable for either RHCP or LHCP. Telecommand/uplink and downlink are to be PCM/BPSK/PM modulations.

Technical information for the satellite earth station is set forth in Exhibit 1, which is a filled out copy of FCC Form 312.

Your assistance in this matter is greatly appreciated.

Sincerely,

Joanne Greet-Swank
Program Compliance Manager
Universal Space Network, Inc.
215-328-9130
jswank@uspacenet.com

KITV
HAWAII

abc

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MAIN FAX 808.536.8777
NEWS FAX 808.536.8993

February 8, 2006

Jeffrey E. Cowles
Principal Frequency Planner
ComSearch
19700 Janelia Farm Blvd.
Ashburn, VA 20147

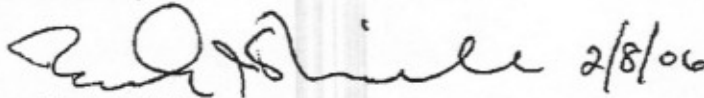
RE: Universal Space Network, Inc., 2Ghz Transmit/Receive @ Naalehu, Hawaii

Dear Jeffrey,

Based on the Earth Station Data Sheet you submitted, dated February 2, 2006, along with their schedule, I see no conflicts with present terrestrial users of the 2Ghz spectrum on the island of Hawaii.

Please keep me informed if there are changes to the schedule or frequencies.

Sincerely,

Handwritten signature of Rodney Shimabukuro, dated 2/8/06.

Rodney Shimabukuro
Hawaii SBE Frequency Coordinator