

E010151 SES-STA-20110427-00519 IB2011001234
WB Holdings 1 LLC

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:
Cheyenne E010151 STA for 30 MBd symbol rate

I. Applicant

Name: WB Holdings 1 LLC Phone Number: 760-476-2583
DBA Name: Fax Number: 760-929-3941
Street: 6155 El Camino Real E-Mail: daryl.hunter@viasat.com
City: Carlsbad State: CA
Country: USA Zipcode: 92009
Attention: Mr Daryl Hunter

"60 dary"



File # SES-STA-20110427-00519
Call Sign ED10151 Grant Date 06/14/2011
(or other identifier)
Term Dates
From 06/14/2011 To 08/12/2011
Approved: [Signature]

Request for Special Temporary Authorization and Public Interest Statement

WB Holdings 1 LLC (“WildBlue”) seeks special temporary authorization (“STA”) to operate its licensed earth station facilities in Cheyenne, Wyoming (E010151) and Nuevo, California (E040213) at an increased maximum transmit symbol rate of 30 MBd using an emission designation of 30M0G7W. WildBlue requests this STA for a 60 day period commencing on May 23, 2011. WildBlue plans to file a request for regular authority for these modified parameters. As discussed in further detail below, WildBlue requires this STA to operate while the modification applications are pending.

The current EIRP density of 39.7 dBW/4 kHz in the current earth station authorizations will not change. Therefore, the levels of potential interference will not change, and thus no new coordination with adjacent satellites is required. When operating at the 30M0G7W emission designation, the maximum EIRP per carrier of each of the earth station facility would increase to 78.45 dBW. The following sets forth the additional emission designators that are requested for the proposed STA operations:

Call Sign E010151

Frequency (GHz)	Polarization	Emission	Tx/Rx	Max EIRP/Carrier	Max EIRP Density	Assoc. Antenna	Modulation Services
29.25-29.5	L	30M0G7W	T	78.45	39.7	GES-2-A	PSK, Data, Internet
28.35-28.6	L	30M0G7W	T	78.45	39.7	GES-2-A	PSK, Data, Internet
29.25-29.5	R	30M0G7W	T	75.45	36.7	GES-2-B	PSK, Data, Internet
28.35-28.6	R	30M0G7W	T	75.45	36.7	GES-2-B	PSK, Data, Internet
29.25-29.5	R	30M0G7W	T	78.45	39.7	GES-2-C	PSK, Data, Internet
28.35-28.6	R	30M0G7W	T	78.45	39.7	GES-2-C	PSK, Data, Internet

Call Sign E040213

Frequency (GHz)	Polarization	Emission	Tx/Rx	Max EIRP/Carrier	Max EIRP Density	Assoc. Antenna	Modulation Services
29.25-29.5	L	30M0G7W	T	78.45	39.7	GES-1-A	PSK, Data, Internet
28.35-28.6	L	30M0G7W	T	78.45	39.7	GES-1-A	PSK, Data, Internet
29.25-29.5	L	30M0G7W	T	75.45	36.7	GES-1-B	PSK, Data, Internet
28.35-28.6	L	30M0G7W	T	75.45	36.7	GES-2-B	PSK, Data, Internet
29.25-29.5	R	30M0G7W	T	78.45	39.7	GES-1-C	PSK, Data, Internet
28.35-28.6	R	30M0G7W	T	78.45	39.7	GES-1-C	PSK, Data, Internet

No other parameters are changed under the requested STA.

WildBlue has been providing high speed internet services to approximately 400,000 subscribers via three Ka band spot beam satellites. The download speeds offered to WildBlue subscribers range from 512 kbit/s and 1 Mbit/s, to a maximum of 1.5 Mbit/s. To satisfy the growth in consumer demand for high-bandwidth consuming applications, WildBlue's parent company, ViaSat, Inc. ("ViaSat") has developed a next-generation Ka band satellite (VIASAT-1) and ground technologies that will make higher speeds and higher quality of service available to the thousands of US satellite Internet subscribers. VIASAT-1 is scheduled to be launched later this year, and the current terrestrial network deployment is well underway.

In advance of the launch of VIASAT-1 and the associated ground network, ViaSat has begun final system testing and optimization of the VIASAT-1 ground network technology using some of the capacity available on the Anik F2 and the WildBlue-1 satellites (both satellites co-located at the 111.1° W.L. orbital slot). This advance testing and optimization is necessary in order to make sure that all the required technologies to provide the higher speed and higher levels of reliability will be ready in advance of the service roll out. These new technologies are quite complex and require extensive testing and optimization to assure the highest quality to subscribers once the service is offered for sale.

WildBlue has determined that modifications to the Cheyenne and Nuevo earth stations are necessary in order to consolidate the use of the spectrum on Anik F2 and WildBlue-1 by existing WildBlue customers to allow more efficient use of the spectrum while the VIASAT-1 ground network tests are being conducted. The more efficient use of spectrum afforded by the higher symbol rate will reduce the potential for service degradation on WildBlue's network as a result of the increased use of satellite capacity during the VIASAT-1 testing. The requested STA is also in the public interest because customers will benefit from expedited delivery of augmented service. Therefore, the requested STA is warranted.

2. Contact

Name:	Daryl Hunter	Phone Number:	760-476-2583
Company:	ViaSat, Inc.	Fax Number:	760-929-3941
Street:	6155 El Camino Real	E-Mail:	daryl.hunter@viasat.com
City:	Carlsbad	State:	CA
Country:	USA	Zipcode:	92009 -
Attention:	Mr. Daryl Hunter	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

05/23/2011

7. City Cheyenne

8. Latitude
(dd mm ss.s h) 0 0 0.0

9. State WY	10. Longitude (dd mm ss.s h) 0 0 0.0
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Attachment 3:	
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.) See Attachment <div style="border: 1px solid black; height: 100px; width: 100%;"></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 Daryl Hunter	15. Title of Person Signing Director, Regulatory Affairs
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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMID-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.