Date & Time Filed: Aug 11 2006 11:57:59:390AM File Number: SES-AMD-INTR2006-02103

**Attention:** Mr David M Brown

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM

FCC Use Only

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

## APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

WB Holdings 1 E040213 MOD to specify orbital location and supplemental info – Riverside

wb fioldings 1 E040213 MOD to specify orbital location and supplemental fino – Riverside										
1-8	1–8. Legal Name of Applicant									
	Name:	WB Holdings 1 LLC	Phone Number:	720–554–7400						
	DBA		Fax Number:							
	Name:									
	Street:	5970 Greenwood Plaza Blvd.	E-Mail:							
		Suite 300								
	City:	Greenwood Village	State:	CO						
	<b>Country:</b>	USA	Zipcode:	80111 –						
ı										

### 9–16. Name of Contact Representative

Name: William M. Wiltshire Phone Number: 202–730–1350

**Company:** Harris, Wiltshire & Grannis, LLP **Fax Number:** 202–730–1301

Street: 1200 Eighteenth Street, NW E-Mail: wwiltshire@harriswiltshire.com

12th Floor

City: Washington State: DC

Country: USA Zipcode: 20036–

Attention: Relationship: Legal Counsel

#### **CLASSIFICATION OF FILING**

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

a1. Earth Station

a2. Space Station

(N/A) b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive-Only Station

(N/A) b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite

(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States

(N/A) b10. Other (Please specify)

17c. 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):							
17d.  Fee Classification CGX – Fixed Satellite Transmit/Receive Earth  Station							
18. If this filing is in reference to an existing station, enter:  (a) Call sign of station:  E040213	19. If this filing is an amendment to a pending apmodification please enter only the file number:  (a) Date pending application was filed:  04/24/2006	oplication enter both fields, if this filing is a  (b) File number:  SESMFS2006042400702					

# TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provid	e or use the following type(s) of service(s): Select all that apply:
a. Fixed Satellite	
b. Mobile Satellite	
c. Radiodetermination Satellite	
d. Earth Exploration Satellite	
e. Direct to Home Fixed Satellite	
f. Digital Audio Radio Service	
g. Other (please specify)	
21. STATUS: Choose the button next to the applicable status. Choose	22. If earth station applicant, check all that apply.
only one.	Using U.S. licensed satellites
Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
Connected to a Public Switched Network  Not connected to a	Public Switched Network   N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all a	applicable frequency band(s).
a. C–Band (4/6 GHz) b. Ku–Band (12/14 GHz)	
c.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: 18300 Frequency Upper: 30000	(Please specify additional frequencies in an attachment)

## TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.					
a. Fixed Earth Station					
• b. Temporary–Fixed Earth Station					
c. 12/14 GHz VSAT Network					
d. Mobile Earth Station e. Geostationary Space Station					
e. Geostationary Space Station					
e. Geostationary Space Station  f. Non-Geostationary Space Station					
g. Other (please specify)					
26. TYPE OF EARTH STATION FACILITY:					
Transmit/Receive Transmit-Only Receive-Only N/A					
"For Space Station applications, select N/A."					

# PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)
a — authorization to add new emission designator and related service
b — authorization to change emission designator and related service
c — authorization to increase EIRP and EIRP density
d — authorization to replace antenna
e — authorization to add antenna
f — authorization to relocate fixed station
g — authorization to change frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & Double
j — authorization to change Points of Communication (satellites & tountries)
k — authorization for facilities for which environmental assessment and
radiation hazard reporting is required
1 — authorization to change orbit location
m — authorization to perform fleet management
n — authorization to extend milestones
o — Other (Please specify)

## **ENVIRONMENTAL POLICY**

impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.	•		~			
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeron aeronautical fixed radio station services are not required to respond to Items 30–34.	autic	al en	ı rou	ite or		
29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	•	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	•	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	No	•	N/A
32. Is the applicant a corporation of which more than one—fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	0	Yes	0	No	•	N/A

 $lackbox{ Yes } lackbox{ No}$ 

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Ye	es O	No	<b>●</b> N	√/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.					
BASIC QUALIFICATIONS					
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	€	Yes	(	No No	
	Waiver				
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.		Yes	(	No	

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	• Yes	<b>⊚</b> No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	• Yes	No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	• Yes	<b>⊘</b> No
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.		

41. 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.	<b>⊚</b> Yes	O No
42a. Does the applicant intend to use a non–U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	<b>⊚</b> Yes	O No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, we coordinated or is in the process of coordinating the space station? Canada	hat administr	ation has
43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description box, please go to the end of the form to view it in its entirety.)  Please see Exhibit A.	on does not a	ppear in this
Exhibit A		

#### **CERTIFICATION**

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44.	Applicant is a (an): (Choose the button next to applicable response.)								
000	Individual Unincorporated Association Partnership Corporation Governmental Entity Other (places specific)								
	Other (please specify)								
		46. Title of Person Signing Manager, WB Holdings 1 LLC							

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).

## SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth Station Site						
E1: Site Identifier:	GES-1	E5. Call Sign:				
E2: Contact Name	Joe Ducey	E6. Phone Number:	720–554–7422			
E3. Street:	22401 Juniper Flats Road	E7. City:	Nuevo			
		E8. County:	Riverside			
E4. State	CA	E9. Zip Code	92567			
E10. Area of Operat	ion:	Fixed				
E11. Latitude:	33 °47 '47.1 "N					
E12. Longitude:	117 °5 '20.4 "W					
E13. Lat/Lon Coord	inates are:	O NAD-27	<b>●</b> NAD-83	O N/A		
E14. Site Elevation (AMSL):		1815.0 meters				

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	posed antenna(s) comply with the antenna	O Yes	O No	N/A
E17. Is the facility operated by remote control? If YES, provide the loca point.	ation and telephone number of the control	Yes	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	O Yes	•	No	
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAZ the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	O Yes	•	No	
POINTS OF COMMUNICATION				
Satellite Name: ANIK-F2   ANIK-F2   111.1 W.L. If you selected O	THER, please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
Satellite Name: OTHER   OTHER   If you selected OTHER, please 6	enter the following:			

E21. Common Name: WildBlue 1	E22. ITU Name:
E23. Orbit Location: 111.1 W.L.	E24. Country: Canada

# POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

# ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
GES-1	GES-1-A	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	62.0 dBi at 19	
GES-1	GES-1-A	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	65.0 dBi at 29	
GES-1	GES-1-B	1	Andrew Corporation, Inc.	ES-56-KA-1	5.6	59.0 dBi at 19	
GES-1	GES-1-B	1	Andrew Corporation, Inc.	ES-56-KA-1	5.6	62.0 dBi at 29	
GES-1	GES-1-C	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	62.0 dBi at 19	

GES-1	GES-1-C	1		Andrey Corpor Inc.		ES-81-K	A-1	8.1		65.0 dBi at 29	
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)		Above und Level ters)	I	bove Sea meters)	E37. Buil Height A Ground I (meters)	bove	E38. Total Input Powe antenna fla (Watts)		E39. Maximur Antenna Heigl Above Roofton (meters)	nt EIRP for al
GES-1-A	8.1/8.1	9.3		1824.3		0.0		250.6		0.0	89.3
GES-1-B	5.6/5.6	6.45		1821.4	5	0.0		250.6		0.0	86.3
GES-1-C	8.1/8.1	9.3		1824.3		0.0		250.6		0.0	89.3
FREQUENCY	• •										-
E28. Antenna I	E43/44. Frequency B (MHz)	Sands	E45. T/R br>M	ode	E46. Anto Polarizat L,R)		E47. E Design	Emission nator		_	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
GES-1-A	18300 18800		R		Right Har Circular	nd	1M60C	G7W	0.0		0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)  PSK, DATA & INTERNET											
GES-1-A	18300 18800		R		Right Har Circular	nd	200KG	57W	0.0		0.0

E50. Modulation	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
entirety.)		-				
PSK, DATA	& INTERNET					
GES-1-A	18300 18800	R	Right Hand Circular	400KG7W	0.0	0.0
E50. Modulation entirety.)  PSK, DATA	and Services (If the & INTERNET	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
GES-1-A	18300	R	Right Hand	800KG7W	0.0	0.0
	18800		Circular			
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-A	28350 28600	Т	Left Hand Circular	22M5G7W	77.2	39.7

E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-A	29250 29500	Т	Left Hand Circular	22M5G7W	77.2	39.7
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	18300 18800	R	Right Hand Circular	1M60G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	18300 18800	R	Right Hand Circular	200KG7W	0.0	0.0

E50. Modulation	and Services (If the	ne complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
entirety.)						
PSK, DATA	& INTERNET					
GES-1-B	18300 18800	R	Right Hand Circular	400KG7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	18300 18800	R	Right Hand Circular	800KG7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	19700 20200	R	Left Hand Circular	1M60G7W	0.0	0.0

E50. Modulation	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
entirety.)		•	••			
PSK, DATA	& INTERNET					
GES-1-B	19700 20200	R	Left Hand Circular	200KG7W	0.0	0.0
E50. Modulation entirety.)  PSK , DATA	and Services (If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
,						
GES-1-B	19700 20200	R	Left Hand Circular	400KG7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	19700 20200	R	Left Hand Circular	800KG7W	0.0	0.0

E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	28350 28600	Т	Left Hand Circular	22M5G7W	74.2	36.7
E50. Modulation entirety.)  PSK, DATA	& INTERNET	ie compiete descripti	on does not appear in	tilis box, piease go t	o the end of the form	to view it in its
GES-1-B	29250 29500	Т	Left Hand Circular	22M5G7W	74.2	36.7
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-B	29500 30000	Т	Right Hand Circular	22M5G7W	74.2	36.7

E50. Modulation	and Caminas (If the			4h:a haw wlassa as 4		
entirety.)	and Services (II th	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-C	18300	R	Left Hand Circular	1M60G7W	0.0	0.0
GES-1-C	18800	K	Lett Hallu Circulai	TWOOG/W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-C	18300 18800	R	Left Hand Circular	200KG7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-C	18300 18800	R	Left Hand Circular	400KG7W	0.0	0.0

E50. Modulation	and Services (If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
entirety.)		r · · · · · · · · · · · · · · · · · · ·		, r 8		
PSK, DATA	& INTERNET					
GES-1-C	18300 18800	R	Left Hand Circular	800KG7W	0.0	0.0
E50. Modulation entirety.)  PSK, DATA	and Services (If the and Services) (If the and Services)	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
GES-1-C	28350 28600	Т	Right Hand Circular	22M5G7W	77.2	39.7
E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
PSK, DATA	& INTERNET					
GES-1-C	29250 29500	Т	Right Hand Circular	22M5G7W	77.2	39.7

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

PSK,	DATA	&	INTERNET

# FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
GES-1-A	Geostationary	18300 18800	62.0/144.0	111.2	20.2	222.4	41.3	0.0
	Geostationary	28350 28600	62.0/144.0	111.2	20.2	222.4	41.3	-30.0
	Geostationary	29250 29500	62.0/144.0	111.2	20.2	222.4	41.3	-30.0
GES-1-B	Geostationary	18300 18800	62.0/144.0	111.2	20.2	222.4	41.3	0.0
	Geostationary	19700 20200	62.0/144.0	111.2	20.2	222.4	41.3	0.0
	Geostationary	28350 28600	62.0/144.0	111.2	20.2	222.4	41.3	-30.0
	Geostationary	29250 29500	62.0/144.0	111.2	20.2	222.4	41.3	-30.0

	Geostationary	29500 30000	62.0/144.0	111.2	20.2	222.4	41.3	-30.0
GES-1-C	Geostationary	18300 18800	62.0/144.0	111.2	20.2	222.4	41.3	0.0
	Geostationary	28350 28600	62.0/144.0	111.2	20.2	222.4	41.3	-30.0
	Geostationary	29250 29500	62.0/144.0	111.2	20.2	222.4	41.3	-30.0

# REMOTE CONTROL POINT LOCATION

E61. Call Sign  NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	_	E66. Phone Number 720–554–7400				
E62. Street Address 5970 Greenwood Plaza Boulevard Suite 300						
E63. City Greenwood Village	E68. County Arapahoe		E67/68. State/Country CA/ USA	E64. Zip Code 80111		

#### 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, AMD–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 jboley@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.