Approved by OMB 3060–0678

Date & Time Filed: Apr 24 2006 11:23:32:196AM File Number: SES-MFS-20060424-00701

CC 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 CHEYENNE 8.1m MOD to add antenna and change PoC

1–8. Legal Name of Applicant **Phone Number:** WB Holdings 1 LLC 720-554-7400 Name: DBA Fax Number: Name: Street: 5970 Greenwood Plaza Blvd. E-Mail: Suite 300 City: Greenwood Village State: CO USA Zipcode: 80111 **Country:** Attention: Mr David M Brown

9–16. Nan	9–16. Name of Contact Representative								
	Name:	<ul> <li>William M. Wiltshire</li> <li>Harris, Wiltshire &amp; Grannis, LLP</li> <li>1200 Eighteenth Street, NW</li> <li>12th Floor</li> </ul>		Phone Number:	202-730-1350				
	Company:			Fax Number:	202-730-1301				
	Street:			E-Mail:	wwiltshire@harriswiltshire.com				
	City:	Washington		State:	DC				
	<b>Country:</b>	y: USA		Zipcode:	20036-				
	Attention:			<b>Relationship:</b>	Legal Counsel				
CLASSIF	FICATION C	OF FILING							
classificat both ques	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.(N/A) b1. Application for License of New Station 								
a1. Earth Stationa2. Space Stationb5. Assignmb6. Transfer(N/A) b'				Modification of License at of License or Registra f Control of License or F Notification of Minor M lication for License of N	tion Registration				

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

Satellite

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 (s	ee 47 C.F.R.Section 1.1114).					
Governmental Entity     Noncommercial educational licensee							
• Other(please explain):	Other(please explain):						
17d.							
Fee Classification CGX – Fixed Satellite 7 Station	Fransmit/Receive Earth						
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending a modification please enter only the file number:	pplication enter both fields, if this filing is a					
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:					
E01051		SESMOD2004031000351					

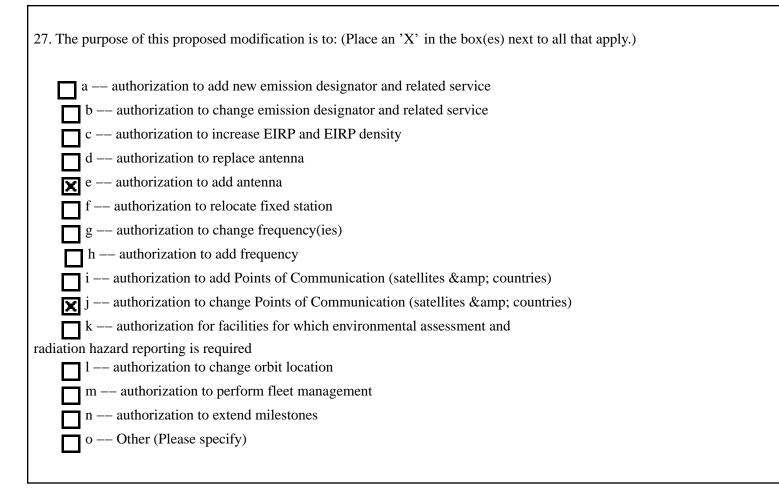
## TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provid	le 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	▼ 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) $\square$ 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
o c. 12/14 GHz VSAT Network
O d. Mobile Earth 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



#### ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental 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, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	۲	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	۲	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	No	۲	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	۲	N/A

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?

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.	O Yes	● No
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.	O Yes	

O Yes O No ⊚ N/A

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.	O Yes	● 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	O 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	O 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.

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.



O No

Yes

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? Canada

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

WB Holdings 1, LLC seeks authority to modify this license by (1) adding a second 8.1 meter antenna, and (2) changing a point of communication.

#### 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.)

Individual

O Unincorporated Association

- Partnership
- Corporation

Governmental Entity

Other (please specify)

 46. Title of Person Signing Manager, WB Holdings 1 LLC
Manager, which holdings i LEC

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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 St	tation Site					
E1: Site Identifier:	GES-2	E5. Call Sign:				
E2: Contact Name	Joe Ducey	E6. Phone Number:	720–554–7422			
E3. Street:	460 Progress Circle	E7. City:	Cheyenne			
	(Cheyenne Business Park)	E8. County:	Laramie			
E4. State	WY	E9. Zip Code	82007			
E10. Area of Opera	tion:	Fixed				
E11. Latitude:	41 °7 '51.6 "N					
E12. Longitude:	104 °44 '17.9 "W					
E13. Lat/Lon Coord	linates are:	<b>O</b> NAD-27	NAD-83	O <sup>N/A</sup>		
E14. Site Elevation	(AMSL):	1812.0 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.	• Yes	O <sup>No</sup>	O <sup>N/A</sup>
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E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non–geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	• Yes	O <sup>№</sup>	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	• Yes	c	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0	Yes	۲	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0	Yes	۲	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	0	Yes	۲	No

POINTS OF COMMUNICATION

Satellite Name: OTHER   OTHER	If you selected OTHER, please enter the following:				
E21. Common Name: ANIK F2		E22. ITU Name: ANIK–F2			
E23. Orbit Location: 111.1 W.L.		E24. Country: Canada			

Satellite Name: OTHER | OTHER | If you selected OTHER, please enter the following:

E21. Common	n Name: WildBlue 1			E22. ITU Name:			
E23. Orbit Lo	ocation: 111 W.L.			E24. Country:	Canada		
POINTS O	F COMMUNICAT	ION (Destination	Points)	•			
E25. Site Ider	ntifier:						
E26. Common	n Name:			E27. Country:			
ANTENNA				ļ.			
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 at GHz)	
GES-2	GES-2-A	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	62.0 dBi at 19	
GES-2	GES-2-A	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	65.0 dBi at 29	
GES-2	GES-2-B	1	Andrew Corporation, Inc.	ES-56-KA-1	5.6	59.0 dBi at 19	
GES-2	GES-2-B	1	Andrew Corporation, Inc.	ES-56-KA-1	5.6	62.0 dBi at 29	
GES-2	GES-2-C	1	Andrew Corporation, Inc.	ES-81-KA-1	8.1	62.0 dBi at 19	

GES-2	GES-2-C	1	Andrew	ES-81-KA-1	8.1	65.0 dBi at 29	
			Corporation,				
			Inc.				

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)		E36. Above Sea Level(meters)	Height Above		E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
GES-2-A	8.1/8.1	9.3	1812.0	0.0	250.6	0.0	89.3
GES-2-B	5.6/5.6	6.45	1812.0	0.0	250.6	0.0	86.3
GES-2-C	8.1/8.1	9.3	1812.0	0.0	250.6	0.0	89.3

# FREQUENCY

	E43/44. Frequency Bands (MHz)				E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
GES-2-A	18300 18800	R	Right Hand Circular	1M60G7W	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-2-A	18300 18800	R	Right Hand Circular	200KG7W	0.0	0.0

E50. Modulati entirety.)	on and Services (	If the complete d	lescription does not appear	in this box, please	go to the end of t	the form to view it in its
PSK, DAT	A & INTERNET					
GES-2-A	18300 18800	R	Right Hand Circular	400KG7W	0.0	0.0
E50. Modulati entirety.)	on and Services (	If the complete d	lescription does not appear	in this box, please	go to the end of t	the form to view it in its
PSK, DAT	A & INTERNET					
GES-2-A	18300 18800	R	Right Hand Circular	800KG7W	0.0	0.0
E50. Modulati entirety.)	on and Services (	If the complete d	lescription does not appear	in this box, please	go to the end of t	the form to view it in its
PSK, DAT	A & INTERNET					
GES-2-A	28350 28600	Т	Left Hand Circul	ar 22M5G7W	77.2	39.7

E50. Modulat	ion and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the form	to view it in its
entirety.)						
PSK, DAT	A & INTERNET					
GES-2-A	29250 29500	Т	Left Hand Circular	22M5G7W	77.2	39.7
E50. Modulati entirety.)	ion and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the form	to view it in its
PSK, DAT	A & INTERNET					
GES-2-B	18300 18800	R	Right Hand Circular	1M60G7W	0.0	0.0
E50. Modulati entirety.)	ion and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the form	to view it in its
PSK, DAT	A & INTERNET					
GES-2-B	18300 18800	R	Right Hand Circular	200KG7W	0.0	0.0

E50. Modulation entirety.)	on and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the for	m to view it in its
PSK, DATA	A & INTERNET					
GES-2-B	18300 18800	R	Right Hand Circular	400KG7W	0.0	0.0
E50. Modulation entirety.)	on and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the for	m to view it in its
PSK, DATA	A & INTERNET					
GES-2-B	18300 18800	R	Right Hand Circular	800KG7W	0.0	0.0
E50. Modulation entirety.)	on and Services (If	the complete descrip	tion does not appear in	this box, please go	to the end of the for	m to view it in its
PSK, DATA	A & INTERNET					
GES-2-B	19700 20200	R	Left Hand Circular	1M60G7W	0.0	0.0

E50. Modulation entirety.)	and Services (If the services) (If the services)	he complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
• ·	& INTERNET					
GES-2-B	19700 20200	R	Left Hand Circular	200KG7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the services)	he complete descripti	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-2-B	19700 20200	R	Left Hand Circular	400KG7W	0.0	0.0
E50. Modulation entirety.)	n and Services (If the	he complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
	& INTERNET					
GES-2-B	19700 20200	R	Left Hand Circular	800KG7W	0.0	0.0

E50. Modulation	and Services (If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
entirety.)						
PSK, DATA	& INTERNET					
GES-2-B	28350 28600	Т	Left Hand Circular	22M5G7W	74.2	36.7
E50. Modulation entirety.)	and Services (If th	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-2-B	29250 29500	Т	Left Hand Circular	22M5G7W	74.2	36.7
E50. Modulation entirety.)	and Services (If th	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-2-B	29500 30000	Т	Right Hand Circular	22M5G7W	74.2	36.7

E50. Modulation entirety.)	and Services (If th	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-2-C	18300 18800	R	Left Hand Circular	1M60G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If th	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-2-C	18300 18800	R	Left Hand Circular	200KG7W	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-2-C	18300 18800	R	Left Hand Circular	400KG7W	0.0	0.0

E50. Modulation entirety.)	on and Services (If	the complete descript	ion does not appear in	this box, please go	to the end of the form	to view it in its
PSK, DATA	A & INTERNET					
GES-2-C	18300 18800	R	Left Hand Circular	800KG7W	0.0	0.0
E50. Modulation entirety.)	on and Services (If	the complete descript	ion does not appear in	this box, please go	to the end of the form	to view it in its
PSK, DATA	A & INTERNET					
GES-2-C	28350 28600	Т	Right Hand Circular	22M5G7W	77.2	39.7
E50. Modulation entirety.)	on and Services (If	the complete descript	ion does not appear in	this box, please go	to the end of the form	to view it in its
PSK, DATA	A & INTERNET					
GES-2-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–2–A	Geostationary	18300 18800	62.0/144.0	186.8	42.2	231.2	28.0	0.0
	Geostationary	28350 28600	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
	Geostationary	29250 29500	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
GES-2-B	Geostationary	18300 18800	62.0/144.0	186.8	42.2	231.2	28.0	0.0
	Geostationary	19700 20200	62.0/144.0	186.8	42.2	231.2	28.0	0.0
	Geostationary	28350 28600	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
	Geostationary	29250 29500	62.0/144.0	186.8	42.2	231.2	28.0	-30.1

	Geostationary	29500 30000	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
GES-2-C	Geostationary	18300 18800	62.0/144.0	186.8	42.2	231.2	28.0	0.0
	Geostationary	28350 28600	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
	Geostationary	29250 29500	62.0/144.0	186.8	42.2	231.2	28.0	-30.1
REMOTE CO	DNTROL POIN	T LOCATION	[					
	ign ase enter the calls iich this applicati	-	-	ot the	E66. Phone Num 720–554–7400	ber		
E62. Street 5970 Green Suite 300	Address wood Plaza Bou	levard		I				
E63. City Greenwood	Village		E68. Coun Arapahoe	ty		E67/68. State/Coun CA/		E64. Zip Code 80111

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