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Callsign/Satellite ID:

#### APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC Use Only

720-554-7400

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 LLC New Carlton, MN SES

1–8. Legal 1	Name of Applicant
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Name: WB Holdings 1 LLC Phone Number:

DBA Fax Number:

Name:

**Street:** 5970 Greenwood Plaza Blvd. **E–Mail:** 

Suite 300

City: Greenwood Village State: CO

Country: USA Zipcode: 80111 -

**Attention:** Mr David M Brown

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.

a.

a1. Earth Station

(N/A) a2. Space Station

b.

**b**1. Application for License of New Station

**6** 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

(N/A) b5. Assignment of License or Registration

(N/A) 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

**b**10. Other (Please specify)

• b11. Application for Earth Station to Access a Non–U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.

17c. Is a fee submitted with this applicate If Yes, complete and attach FCC Form Governmental Entity Noncomme Other(please explain):	159. If No, indicate reason for fee exemption (	(see 47 C.F.R.Section 1.1114).
Fee Classification BAX – Fixed Satellite T Station	Transmit/Receive Earth	
<ul><li>18. If this filing is in reference to an existing station, enter:</li><li>(a) Call sign of station:</li><li>Not Applicable</li></ul>	19. If this filing is an amendment to a pending (a) Date pending application was filed: Not Applicable	application enter:  (b) File number of pending application:  Not Applicable
TYPE OF SERVICE  20. NATURE OF SERVICE: This filing is for	or an authorization to provide or use the following	ng 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
facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
Connected to a Public Switched Network Not connected	I 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	
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	
(N/A) e. Geostationary Space Station (N/A) f. Non–Geostationary Space Station	
og. Other (please specify)	
26. TYPE OF EARTH STATION FACILITY: Choose only one.  Transmit/Receive Transmit—Only Receive—Only N/A	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.)	
Not Applicable	
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.	Yes No No Exhibit A
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronau aeronautical fixed radio station services are not required to respond to Items 30–34.	utical en route or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	O Yes O No O N/A
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, aeronau 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?	Exhibit A  utical en route or  Yes 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?	Yes	0	No ,	1 <b>©</b>	√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?	Yes	0	No i	1 <b>©</b>	√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.	0	Yes	•	N	0

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.	<b>O</b> Yes	<b>⊚</b> 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.	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 attemptiing 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	<b>⊚</b> 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.	O 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.	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.	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	ration has

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 authorization for a new Ka-band gateway satellite earth station.

#### **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
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

Limited Liability Company

45. Name of Person Signing David M. Brown		46. Title of Perso Manager of WB	on Signing Holidings 1, LLC	
47. Please supply any need attachmed Attachment 1:	nts. Attachment 2:		Attachment 3:	
			BLE BY FINE AND / OR IMPRISO 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: DUL E5. Call Sign:

E2: Contact Name Joe Ducey E6. Phone 720–554–7422

Number:

E3. Street: 1512 County E7. City: Carlton

Highway 61

E8. County:

E4. State MN E9. Zip Code 55718

E10. Area of Operation: Fixed

E11. Latitude: 46 °39 '47.0 "N

E12. Longitude: 92 °28 '30.0 "W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 353.6 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.	<b>●</b> Yes	O No	O N/A
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?	<b>O</b> Yes	O No	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	<u> </u>		
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes	٥	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	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.	<b>⊗</b> Yes	٥	No
POINTS OF COMMUNICATION	1		
Satellite Name: ANIK-F2   ANIK-F2   111.1 W.L. If you selected OTHER, please enter the following:			

E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: WILDBLUE 1   USASAT-31J   109.2 W.L. If you	selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

## 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 GainTransmint and/or Recieve (dBi atGHz)
DUL	DUL-A	1	ANDREW CORPORATION, INC	ES-81-KA-1	8.1	62.0 dBi at 19
						65.0 dBi at 29
	DUL-B					62.0 dBi at 19
						65.0 dBi at 29

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level  (meters)	E36. Above Sea Level  (meters)	E37. Building Height Above Ground Level  (meters)	E38. Total Input Power at antenna flange  (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
DUL-A	8.1/8.1	9.3	1824.3	0.0	250.6	0.0	89.3
DUL-B	8.1/8.1	9.3	1824.3	0.0	250.6	0.0	89.3

## FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
DUL-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 AND INTERNET

DUL-A	18300 18800	R	Right Hand Circular	200KG7W	0.0	0.0

F50 N 1111	1.0	4 . 4		.1.1.1	1 1 0 1 0	
E50. Modulation	and Services (If the	ie 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	AND INTERNET					
DUL-A	18300	R	Right Hand	400KG7W	0.0	0.0
	18800		Circular	100110777	0.0	
E50. Modulation	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
entirety.)						
PSK, DATA	AND INTERNET					
DUL-A	18300	R	Right Hand	800KG7W	0.0	0.0
DUL-A	18800	K	Circular	OOOKG / W	0.0	0.0
	10000		Circulai			
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	AND INTERNET					
DUL-A	28350 28600	Т	Left Hand Circular	22M5G7W	77.2	39.7

E50. Modulation	and Services (If the	ie 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	AND INTERNET					
DUL-A	29250	Т	Left Hand Circular	22M5G7W	77.2	39.7
DOL II	29500	1	Left Hand Chedian	22141307 11	77.2	
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	AND INTERNET					
DIII D	10200	D	D' 1 ( II - 1	1146007334	0.0	0.0
DUL-B	18300	R	Right Hand	1M60G7W	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	the end of the form	to view it in its
PSK, DATA	AND INTERNET					
DUL-B	18300 18800	R	Right Hand Circular	200KG7W	0.0	0.0

770 77 11 1	10 1 (701					
E50. Modulation	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
entirety.)						
PSK, DATA	AND INTERNET					
DUL-B	18300	R	Right Hand	400KG7W	0.0	0.0
202 2	18800		Circular	100110777		
E50. Modulation	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
entirety.)						
PSK, DATA	AND INTERNET					
DUL-B	18300	R	Right Hand	800KG7W	0.0	0.0
DUL-D	18800	K	Circular	OURG/W	0.0	0.0
	10000		Circulai			
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	AND INTERNET					
DUL-B	19700 20200	R	Left Hand Circular	1M60G7W	0.0	0.0

F50 N5 11 3	1.0	4 . 4			1 1 0 1 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	AND INTERNET					
DUL-B	19700	R	Left Hand Circular	200KG7W	0.0	0.0
	20200	IX.	Lett Hand Chedian	20010711	0.0	0.0
E50. Modulation	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
entirety.)						
PSK, DATA	AND INTERNET					
DIII D	19700	R	Left Hand Circular	400KG7W	0.0	0.0
DUL-B	20200	K	Leit Hand Circular	400KG/W	0.0	0.0
	20200					
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	AND INTERNET					
DUL-B	19700 20200	R	Left Hand Circular	800KG7W	0.0	0.0

E50. Modulation	on and Services (I	f the complete de	scription does not appear in	this how please	go to the end of th	he form to view it in it	te
entirety.)	on and services (1	i the complete de	scription does not appear if	tills box, piease	go to the end of the	ne form to view it in it	1.0
	A AND INTERNET						
DUL-B	28350 28600	Т	Left Hand Circular	22M5G7W	74.2	36.7	
E50. Modulation entirety.)  PSK, DATA	on and Services (I		scription does not appear in	this box, please	go to the end of the	he form to view it in it	ts
DUL-B	29250 29500	Т	Left Hand Circular	22M5G7W	74.2	36.7	
E50. Modulation entirety.)	on and Services (I	f the complete de	scription does not appear in	this box, please	go to the end of the	he form to view it in it	ts
PSK, DATA	A AND INTERNET						
DUL-B	29500 30000	Т	Right Hand Circular	22M5G7W	74.2	36.7	

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	AND	INTERNET

## FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W 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)
	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
DUL-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			
REMOTE CO	REMOTE CONTROL POINT LOCATION										
E61. Call Sign					265. Phone Numb 20–554–7575	oer					
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.											
	E62. Street Address 5970 Greenwood Plaza Blvd.										
E63. City Greenwood	Village		E67. County Arapahoe	,		E64/68. State/Country CO/ US	801	6. Zip Code 111			

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