Approved by OMB
3060−0678

Date & Time Filed: Aug 4 2022 2:04:38:356PM
File Number: SES−MFS−20220804−00834

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD − MAIN FORM FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	FCC Use Only

APPLICANT INFORMATION
Enter a description of this application to identify it on the main menu:
Refiling July 2021 MOD E170205

1−8. Legal Name of Applicant

Name:	Alaska Communications Internet, LLC	**Phone Number:**	907−297−3000
DBA Name:		**Fax Number:**	907−297−3153
Street:	600 Telephone Avenue MS #60	**E−Mail:**	regaffair@acsalaska.com
City:	Anchorage	**State:**	AK
Country:	USA	**Zipcode:**	90503 −
Attention:	Ms Lisa Phillips		

9−16. Name of Contact Representative

Name:	Richard Cameron	**Phone Number:**	202−230−4962
Company:	LMI Advisors LLC	**Fax Number:**	
Street:	2550 M Street NW	**E−Mail:**	rcameron@lmiadvisors.com
	Suite 300		
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20037−
Attention:	Richard Cameron	**Relationship:**	Other

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 b3. Amendment to a Pending Application b4. Modification of License or Registration b5. Assignment of License or Registration b6. Transfer of Control of License or Registration 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) (N/A) 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 (N/A) b12. Application for Database Entry b13. Amendment to a Pending Database Entry Application b14. Modification of Database Entry

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): Application Refiled at FCC Request − Former File No. SES−MOD−20210702−01010

17d.

Fee Classification

18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:	
(a) Call sign of station: E170205	(a) Date pending application was filed:	(b) File number:
	07/02/2021	SESMOD2020121401370

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide 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 only one. Common Carrier Non−Common Carrier	22. If earth station applicant, check all that apply. Using U.S. licensed satellites Using Non−U.S. licensed satellites
23. If applicant is providng INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: 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 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: Frequency Upper: (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 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 & countries)
j −− authorization to change Points of Communication (satellites & countries)
k −− authorization for facilities for which environmental assessment and radiation hazard reporting is required
l −− authorization to change orbit location
m −− authorization to perform fleet management
n −− authorization to extend milestones
o −− Other (Please specify)

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

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

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.)

Modification to add four new sites to the C−band VSAT Network and update operating parameters at other previously licensed sites.

Narrative

43a. Geographic Service Rule Certification	
By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.	A
By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.	B
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.	C

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)

45. Name of Person Signing	46. Title of Person Signing
Mark Ayers	Vice President, Engineering, Planning & Constr.

−−>

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:	Anchorage 7.0 Hub	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550−8364	
E3. Street:	8500 Dimond D Circle	E7. City:	Anchorage	
		E8. County:	Anchorage	
E4. State	AK	E9. Zip Code	99515	
E10. Area of Operation:		Anchorage, AK		
E11. Latitude:	61 °8 ’28.4 "N			
E12. Longitude:	149 °52 ’30.7 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		41.0 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 No 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?	Yes No N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 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: Anchorage 7.0 Hub	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
Anchorage 7.0 Hub	HUB2	1	RSI SATCOM	705CS	7.0	47.6 dBi at 3.7400	
Anchorage 7.0 Hub	HUB2	1	RSI SATCOM	705CS	7.0	51.0 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
HUB2	0.0/0.0	3.0	41.0	0.0	800.0	0.0	79.73

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
HUB2	3700 4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

HUB2	5925 5959.85	T	Horizontal and Vertical	72M0G7W	79.73	32.6

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.)

Digital

HUB2	6360.49 6425	T	Horizontal and Vertical	72M0G7W	79.73	32.6

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.)

Digital

HUB2	5989.85 6078.45	T	Horizontal and Vertical	72M0G7W	79.73	32.6

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.)

Digital

HUB2	6108.45 6137.75	T	Horizontal and Vertical	72M0G7W	79.73	32.6

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.)

Digital

HUB2	6167.75 6330.49	T	Horizontal and Vertical	72M0G7W	79.73	32.6

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.)

Digital

FREQUENCY COORDINATION

E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size<meters>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
Alitak 2	ALITAK2	1	General Dynamics	Prodelin 1244	2.4	37.6 dBi at 3.7400	
Alitak 2	ALITAK2	1	General Dynamics	Prodelin 1244	2.4	42.0 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
ALITAK2	0.0/0.0	3.0	15.24	0.0	10.0	0.0	51.7

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

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.)

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
			/					

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	E5. Call Sign:
E2: Contact Name	E6. Phone Number:
E3. Street:	E7. City:
	E8. County:
E4. State	E9. Zip Code

E10. Area of Operation:

E11. Latitude: ° ’ "

E12. Longitude: ° ’ "

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

E14. Site Elevation (AMSL): 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
						dBi at	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
	/						

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

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.)

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
			/					

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	E5. Call Sign:		
E2: Contact Name	E6. Phone Number:		
E3. Street:	E7. City:		
	E8. County:		
E4. State	E9. Zip Code		
E10. Area of Operation:			
E11. Latitude: ° ’ "			
E12. Longitude: ° ’ "			
E13. Lat/Lon Coordinates are:	NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):	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 No 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?	Yes No N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as

Yes No

E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as

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?

Yes No

FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.

POINTS OF COMMUNICATION

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 30 (S3016) | | 125 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
ST. PAUL	1ST.PAUL	1	General Dynamics	Prodelin 1383	3.8	41.6 dBi at 3.7400	
ST. PAUL	1ST.PAUL	1	General Dynamics	Prodelin 1383	3.8	45.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
1ST.PAUL	0.0/0.0	2.0	8.0	0.0	10.0	0.0	55.8

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1ST.PAUL	3700 4200	R	Horizontal and Vertical	9M50G7W	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.)

16APSK

1ST.PAUL	5925	6425	T	Horizontal and Vertical	2M8G7W	55.8	21.08

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.)

Digital

1ST.PAUL	3700	4200	R	Horizontal and Vertical	1M20G7W	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.)

Digital

1ST.PAUL	3700	4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

1ST.PAUL	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

1ST.PAUL	3700	4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

1ST.PAUL	5925	6425	T	Horizontal and Vertical	12M4G7W	55.8	21.08

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.)

Digital

1ST.PAUL	5925	6425	T	Horizontal and Vertical	1M20G7W	55.8	21.08

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.)

Digital

1ST.PAUL	5925	6425	T	Horizontal and Vertical	3M20G7W	55.8	21.08

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.)

DVB-S2, QPSK

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
1ST.PAUL	Geostationary	3700 4200	95.0/191.0	102.44	−0.75	204.25	22.5	0.0
	Geostationary	5925 6425	95.0/191.0	102.44	−0.75	204.25	22.5	−20.1745

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E66. Phone Number
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	ANIAK DO	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550−8364	
E3. Street:	Aniak District Office	E7. City:	Aniak	
	100 Boundary Ave.	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99557	
E10. Area of Operation:		Aniak, AK		
E11. Latitude:	61 °34 ’55.1 "N			
E12. Longitude:	159 °32 ’18.0 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		11.34 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes	No

POINTS OF COMMUNICATION

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 30 (S3016) | | 125 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
ANIAK DO	6ANIAKDO	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
ANIAK DO	6ANIAKDO	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
6ANIAKDO	0.0/0.0	3.66	11.34	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

6ANIAKDO	3700	4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

6ANIAKDO	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

6ANIAKDO	3700	4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

6ANIAKDO	3700 4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

6ANIAKDO	5925 5930.2	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5925 5930.2	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5925 5930.2	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5925 5930.2	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

6ANIAKDO	6212.24 6425	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	6212.24 6425	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	6212.24 6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

6ANIAKDO	6212.24 6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5960.2 6182.24	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5960.2 6182.24	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5960.2 6182.24	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

6ANIAKDO	5960.2 6182.24	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
6ANIAKDO	Geostationary	3700 4200	95.0/191.0	112.72	3.14	214.83	15.59	0.0
	Geostationary	5925 5930.2	95.0/191.0	112.72	3.14	214.83	15.59	−15.494
	Geostationary	6212.24 6425	95.0/191.0	112.72	3.14	214.83	15.59	−15.494
	Geostationary	5960.2 6182.24	95.0/191.0	112.72	3.14	214.83	15.59	−15.494

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	JSHS	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550−8364	
E3. Street:	Aniak Junior Senior High School	E7. City:	Aniak	
	201 High School Road	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99557	
E10. Area of Operation:		Aniak, AK		
E11. Latitude:	61 °34 ’48.3 "N			
E12. Longitude:	159 °33 ’6.7 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		11.34 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes	No

POINTS OF COMMUNICATION

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 30 (S3016) | | 125 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
JSHS	7JSHS	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
JSHS	7JSHS	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
7JSHS	0.0/0.0	3.66	11.34	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

7JSHS	3700	4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

7JSHS	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

7JSHS	3700	4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

7JSHS	5925 5930.2	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

7JSHS	5925 5930.2	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

7JSHS	5925 5930.2	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

7JSHS	5925 5930.2	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

7JSHS	6212.24 6425	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

7JSHS	6212.24 6425	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

7JSHS	6212.24 6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

7JSHS	6212.24 6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

7JSHS	5960.2 6182.24	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

7JSHS	5960.2 6182.24	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

7JSHS	5960.2 6182.24	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

7JSHS	5960.2 6182.24	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
7JSHS	Geostationary	3700 4200	91.0/191.0	109.06	1.34	214.81	15.6	0.0
	Geostationary	5925 5930.2	91.0/191.0	109.06	1.34	214.81	15.6	−15.494
	Geostationary	6212.24 6425	91.0/191.0	109.06	1.34	214.81	15.6	−15.494
	Geostationary	5960.2 6182.24	91.0/191.0	109.06	1.34	214.81	15.6	−15.494

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	AMNES	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550− 8364	
E3. Street:	Auntie Mary Nicoli Elementary School	E7. City:	Aniak	
	201 High School Road	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99557	
E10. Area of Operation:		Aniak, AK		
E11. Latitude:	61 °34 ’49.0 "N			
E12. Longitude:	159 °31 ’51.1 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		11.34 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 No 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?	Yes No N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 30 (S3016) | | 125 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 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>**	**E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)**	
AMNES	8AMNES	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
AMNES	8AMNES	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)**	**E39. Maximum Antenna Height Above Rooftop (meters)**	**E40. Total EIRP for al carriers(dBW)**
8AMNES	0.0/0.0	3.66	11.34	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
8AMNES	3700 4200	R	Horizontal and Vertical	3M00G7W	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.) Digital						
8AMNES	3700 4200	R	Horizontal and Vertical	72M0G7W	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.) Digital						
8AMNES	3700 4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

8AMNES	3700 4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

8AMNES	5925 5930.2	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

8AMNES	5925 5930.2	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

8AMNES	5925 5930.2	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

8AMNES	5925 5930.2	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

8AMNES	6212.24 6425	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

8AMNES	6212.24	6425	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

8AMNES	6212.24	6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

8AMNES	6212.24	6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

8AMNES	5960.2 6182.24	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

8AMNES	5960.2 6182.24	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

8AMNES	5960.2 6182.24	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

8AMNES	5960.2 6182.24	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
8AMNES	Geostationary	3700 4200	95.0/191.0	112.73	3.14	214.84	15.59	0.0
	Geostationary	5925 5930.2	95.0/191.0	112.73	3.14	214.84	15.59	−20.7

	Geostationary	6212.24 6425	95.0/191.0	112.73	3.14	214.84	15.59	−20.7
	Geostationary	5960.2 6182.24	95.0/191.0	112.73	3.14	214.84	15.59	−20.7

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E66. Phone Number
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	CVSS	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550− 8364	
E3. Street:	Crow Village Sam School	E7. City:	Chuathbaluk	
	202 Blueberry Hill	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99557	
E10. Area of Operation:		Chuathbaluk, AK		
E11. Latitude:	61 °34 ’23.1 "N			
E12. Longitude:	159 °14 ’57.1 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		11.45 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 30 (S3016) | | 125 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
CVSS	9CVSS	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
CVSS	9CVSS	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
9CVSS	0.0/0.0	3.66	11.45	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

9CVSS	3700	4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

9CVSS	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

9CVSS	3700	4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

9CVSS	3700 4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

9CVSS	5925 5930.2	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

9CVSS	5925 5930.2	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

9CVSS	5925 5930.2	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

9CVSS	5925 5930.2	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

9CVSS	6212.24 6425	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

Digital

9CVSS	6212.24	6425	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

Digital

9CVSS	6212.24	6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

9CVSS	6212.24	6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

9CVSS	5960.2 6182.24	T	Horizontal and Vertical	2M8G7W	56.471	23.6

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.)

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Digital
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9CVSS	5960.2 6182.24	T	Horizontal and Vertical	5M8G7W	56.471	23.6

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.)

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Digital
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9CVSS	5960.2 6182.24	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

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Digital
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9CVSS	5960.2 6182.24	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
9CVSS	Geostationary	3700 4200	95.0/191.0	112.99	3.27	215.13	15.52	0.0
	Geostationary	5925 5930.2	95.0/191.0	112.99	3.27	215.13	15.52	−15.6
	Geostationary	6212.24 6425	95.0/191.0	112.99	3.27	215.13	15.52	−15.6
	Geostationary	5960.2 6182.24	95.0/191.0	112.99	3.27	215.13	15.52	−15.6

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	E66. Phone Number
E62. Street Address	

E63. City	E68. County		

Location of Earth Station Site				
E1: Site Identifier:	JESS	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550−8364	
E3. Street:	Jack Egnaty Senior School	E7. City:	Sleetmute	
	206 River Bend Road	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99668	
E10. Area of Operation:		Sleetmute, AK		
E11. Latitude:	61 °42 ’9.1 "N			
E12. Longitude:	157 °10 ’14.1 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		12.1 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	

POINTS OF COMMUNICATION

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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
JESS	10JESS	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
JESS	10JESS	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
10JESS	0.0/0.0	3.66	12.1	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

10JESS	3700	4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

10JESS	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

10JESS	3700	4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

10JESS	3700	4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

10JESS	5925	6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

10JESS	5925	6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

10JESS	5925	6425	T	Horizontal and Vertical	2M80G7W	56.471	23.6

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.)

Digital

10JESS	5925	6425	T	Horizontal and Vertical	5M60G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western Limit**	**E56. Earth Station Azimuth Angle Eastern Limit**	**E57. Antenna Elevation Angle Eastern Limit**			

	Geostationary	5925 6425	95.0/191.0	114.93	4.13	217.28	14.8	−16.2
	Geostationary	5925 6425	95.0/191.0	114.93	4.13	217.28	14.8	−16.2

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	JJSS	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550− 8364	
E3. Street:	Johnnie John Sr School	E7. City:	Crooked Creek	
	203 Mountville Drive	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99575	
E10. Area of Operation:		Crooked Creek, AK		
E11. Latitude:	61 °51 ’48.6 "N			
E12. Longitude:	158 °8 ’18.2 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		11.64 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	No	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?	Yes	No	N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes

POINTS OF COMMUNICATION

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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
JJSS	27JJSS	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
JJSS	27JJSS	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
27JJSS	0.0/0.0	3.66	11.64	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)

27JJSS	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

27JJSS	3700	4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

27JJSS	3700	4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

27JJSS	5925	6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

27JJSS	5925	6425	T	Horizontal and Vertical	1M20G7W	56.471	23.6

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.)

Digital

27JJSS	5925	6425	T	Horizontal and Vertical	2M80G7W	56.471	23.6

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.)

Digital

27JJSS	5925 6425	T	Horizontal and Vertical	5M60G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
27JJSS	Geostationary	3700 4200	96.0/191.0	114.99	4.07	216.22	14.95	0.0
	Geostationary	5925 6425	96.0/191.0	114.99	4.07	216.22	14.95	−15.79

REMOTE CONTROL POINT LOCATION

E61. Call Sign

E66. Phone Number

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	GMSHS	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907 550− 8364	
E3. Street:	George Morgan Senior High School	E7. City:	Kalskag	
	209 Airport Road	E8. County:	Bethel Census Area	
E4. State	AK	E9. Zip Code	99607	
E10. Area of Operation:		Kalskag, AK		
E11. Latitude:	61 °47 ’13.6 "N			
E12. Longitude:	156 °35 ’17.7 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		12.24 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 No 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?	Yes No N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: GALAXY 30 (S3016) | | 125 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 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>**	**E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)**	
GMSHS	26GMSHS	1	Prodelin	1244	2.4	37.6 dBi at 3.7400	
GMSHS	26GMSHS	1	Prodelin	1244	2.4	41.6 dBi at 5.9650	

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)**	**E39. Maximum Antenna Height Above Rooftop (meters)**	**E40. Total EIRP for al carriers(dBW)**

26GMSHS	0.0/0.0	3.66	12.24	0.0	40.0	0.0	56.471

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
26GMSHS	3700 4200	R	Horizontal and Vertical	3M00G7W	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.)

Digital

26GMSHS	3700 4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital

26GMSHS	3700 4200	R	Horizontal and Vertical	7M00G7W	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.)

Digital

26GMSHS	3700	4200	R	Horizontal and Vertical	9M50G7W	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.)

Digital

26GMSHS	5925	6425	T	Horizontal and Vertical	12M4G7W	56.471	23.6

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.)

Digital

26GMSHS	5925	6425	T	Horizontal and Vertical	2M80G7W	56.471	23.6

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.)

Digital

26GMSHS	5925	6425	T	Horizontal and Vertical	5M60G7W	56.471	23.6

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
26GMSHS	Geostationary	3700 4200	95.0/191.0	115.49	4.34	217.86	14.55	0.0
	Geostationary	5925 6425	95.0/191.0	115.49	4.34	217.86	14.55	−16.321

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E66. Phone Number
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	Yukon Flats	E5. Call Sign:		
E2: Contact Name	Greg Tooke	E6. Phone Number:	907−550−8364	
E3. Street:	101 Spruce St	E7. City:	Fort Yukon	
		E8. County:	Yukon−Koyukuk Census A	
E4. State	AK	E9. Zip Code	99740	
E10. Area of Operation:		Fort Yukon, AK		
E11. Latitude:	66 °34 ’5.8 "N			
E12. Longitude:	145 °14 ’41.6 "W			
E13. Lat/Lon Coordinates are:		NAD−27	NAD−83	N/A
E14. Site Elevation (AMSL):		133.81 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	No	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?	Yes	No	N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes	No	

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	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.	Yes No

POINTS OF COMMUNICATION

Satellite Name: GALAXY 30 (S3016) | | 125 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 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>	E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)	
Yukon Flats	YUKON FLAT	1	CPI SAT	1385	3.8	42.0 dBi at 3.95	
Yukon Flats	YUKON FLAT	1	CPI SAT	1385	3.8	46.2 dBi at 6.175	

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)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
YUKON FLAT	0.0/0.0	2.0	135.81	0.0	250.0	0.0	70.2

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
YUKON FLAT	3700 4200	R	Horizontal and Vertical	45K0D7W	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.)

Digital modulation QAM for data, video, and voice services

YUKON FLAT	3700	4200	R	Horizontal and Vertical	72M0D7W	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.)

Digital modulation QAM for data, video, and voice services

YUKON FLAT	5925	6425	T	Horizontal and Vertical	45k0D7W	70.2	43.5

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.)

Digital modulation QAM for data, video, and voice services

YUKON FLAT	5925	6425	T	Horizontal and Vertical	72M0D7W	70.2	27.7

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.)

Digital modulation QAM for data, video, and voice services

YUKON FLAT	5925	6425	T	Horizontal and Vertical	36M0G7W	70.2	43.5

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.)

Digital Modulation including PSK, APSK for data, voice and video services

YUKON FLAT	5925	6425	T	Horizontal and Vertical	72M0G7W	70.2	27.7

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.)

Digital Modulation including PSK, APSK for data, voice and video services

YUKON FLAT	3700	4200	R	Horizontal and Vertical	45K0G7W	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.)

Digital modulation including PSK, APSK for data, video, and voice services

YUKON FLAT	3700	4200	R	Horizontal and Vertical	72M0G7W	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.)

Digital modulation including PSK, APSK for data, video, and voice services

YUKON FLAT	5925	6425	T	Horizontal and Vertical	45K0G7W	70.2	43.5

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.)

Digital modulation including PSK, APSK for data, video, and voice services

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
YUKON FLAT	Geostationary	3700 4200	95.0/191.0	127.35	6.1	228.21	7.5	0.0
	Geostationary	5925 6425	95.0/191.0	127.35	6.1	228.21	7.5	8.83

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number	
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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