Approved by OMB 3060-0678

Date & Time Filed: Jun 26 2018 7:27:38:936PM File Number: SES-MOD-INTR2018-03253

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

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu: Modification to Add Additional VSAT Network Sites

1-8. Legal N	Name of Applicant				
Name:	Alaska Communications Internet, LLC		Phone Nu	ımber:	907-297-3000
DBA Name:			Fax Num	ber:	907-297-3153
Street:	600 Telephone Avenue		E-Mail:		Lisa.Phillips@acsalaska.com
	MS #60				
City:	Anchorage		State:		AK
Country:	USA		Zipcode:		90503 -
Attention:	Ms. Lisa Phillips				
9-16. Name	of Contact Representative				
Name:	Richard Cameron	Phone Number:		20223049	962
Company:	LMI Advisors	Fax Number:			
Street:	2550 M Street NW	E-Mail:		rcameron	@lmiadvisors.com
	Suite 343				
City:	Washington	State:		DC	
Country:	USA	Zipcode:		20037-	
Attention:	Mr. 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. al. 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.
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) Governmental Entity Noncommercial ed	
Other(please explain):	Accusonal neonice
17d.	
Fee Classification CGX - Fixed Satell	ite Transmit/Receive Earth Station
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:
	SESMOD2018041300352

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	

5/2	licensing.fcc.gov/ibfsweb/ib.page.FetchForm?id_app_num=117758&form=P015_101.htm&	zmode=display
	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 22. If earth station applicant, check all that applicant	ply.
	one. Using U.S. licensed satellites	
	○ Common Carrier ○ Non-Common Carrier ☑ Using Non-U.S. licensed satellites	
	23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Ch Connected to a Public Switched Network Not connected to a Public Switched Network N/A	noose one. Are these facilities:
	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)	
	a. C-Band (4/6 GHz) L 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)	
L	TYPE OF STATION	
Ī	25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.	
	a. Fixed Earth Station	
	o b. Temporary-Fixed Earth Station	
	o 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."	
L	PURPOSE OF MODIFICATION	
Ī		
	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 increase EIRP and EIRP density	
	■ e authorization to replace antenna ■ e authorization to add antenna	
	\Box 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	
	1 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.	O Yes @ No
_	ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical fixed radio station services are not required to respond to Items 30-	
	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
ŀ	31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O 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?	O Yes O No O 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?	O Yes O No O 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	OUAL	LIFICATION:	S

Brisic Quilli Icritions	
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 O No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	O Yes ● 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 O 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 Technical Appendix
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what admis in the process of coordinating the space station? Mexico	ministration has coordinated or
43. Description. (Summarize the nature of the application and the services to be provided). Modification to add 10 new Network and update other operating parameters. Legal Narrative	sites to the C-band VSAT
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.	O _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.	ОС
> CERTIFICATION	
II	

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

nade in exhibits are a material part hereof and are incorporated herein as if set pplicant, hereby certifies that all statements made in this application and in all nowledge and belief, and are made in good faith.	
4. 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 Rick Benken	46. Title of Person Signing VP
WILLFUL FALSE STATEMENTS MADE ON THIS FORM A	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

Site ID	E28.	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Ante	: USA nna Gain Transm dBi at		1/or							
Sito ID	E28.					E41/42. Ante	nna Gain Transm		l/or							
ANTENNA	<u> </u>					E27. Country	: USA									
ANTENNA							: USA									
		E26. Common Name: E27. Country: USA														
		NIAK DO			E25. Site Identifier: ANIAK DO											
			tination Points)						POINTS OF COMMUNICATION (Destination Points)							
					E	24. Country:			E23. Orbit Location: E24. Country:							
-	nmon Name:					22. ITU Name:										
following					1-	00 IEI I N										
		LSAT115W	B(S2938) EU	ΓELSAT 1	15 WB 114.9	W.L. If you selecte	d OTHER, please	enter th	e							
	F COMMUNIC															
FAILUR	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.								No							
notificati	ion is require	ed, have yo	u attached a co	py of a co	mpleted FCC	Form 854 and/or	the									
			CFR Part 17 a	nd 47 CFI	R nart 25 113/	c)) Where FAA										
	oordination woordination co		country require	d? If YES	, attach the nar	ne of the country(ie	s) and	•	No							
	<u> </u>					lination report as	• Yes	0	No							
E17. Is the	facility operated	by remote co	ntrol? If YES, prov	ide the locati	on and telephone	number of the control p		<u> </u>	No							
specified in	Section 25.209	(a2) and (b) as	demonstrated by the	ne manufactu	rer's qualification	measurements?										
E16. If the	proposed antenr	a(s) do not op	erate in the Fixed S	atellite Servi	ce (FSS), or if the	y operate in the Fixed S	atellite	ONo	● N/A							
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.								● No	o _{N/A}							
E14. Site Elevation (AMSL): 11.34 meters																
E13. Lat/Lon Coordinates are: NAD-27							83	0	N/A							
E12. Longi	itude:	159 ° 32	' 18.3 " W													
E11. Latitu	ıde:	61 ° 34 '	55.6 " N													
E10. Area	of Operation:			A	Aniak, AK											
E4. State		AK			29. Zip Code	99557										
					E8. County:		ensus Area									
E3. Street:		_	istrict Office		7. City:	Aniak	0 0501									
E2: Contac		ANIAK Greg To			E5. Call Sign: E6. Phone Number	: (907) 55	0_8364									
E1: Site id		A NIT A IZ	DO	T	F C-11 C:											
Location of E1: Site Ide	f Earth Station S															

E50. Mod	E50. Modulation and Services Digital						
VSAT 2	3944 4016	R	Horizontal and Vertical 72M0G7W	0.0	0.0		
E50. Mod	E50. Modulation and Services Digital						
VSAT 2	3944 4016	R	Horizontal and Vertical 7M00G7W	0.0	0.0		
E50. Mod	dulation and Service	es Digi	tal				
VSAT 2	3944 4016	R	Horizontal and Vertical 9M50G7W	0.0	0.0		
E50. Mod	E50. Modulation and Services Digital						
VSAT 2	5960.2 6001	Т	Horizontal and Vertical 1M20G7W	52.5	21.1		
E50. Mod	E50. Modulation and Services Digital						
VSAT 2	5960.2 6001	Т	Horizontal and Vertical 2M80G7W	52.5	21.1		
E50. Modulation and Services Digital							
VSAT 2	5960.2 6001	Т	Horizontal and Vertical 5M60G7W	52.5	21.1		
E50. Mod	dulation and Service	es Digi	tal				

FREQUENCY COORDINATION

E28. Antenna Id		Fraguancy	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	130.8	10.95	132.79	11.68	0.0
	Geostationary	5960.2 6001	114.0/116.0	130.8	10.95	132.79	11.68	-23.23

REMOTE CONTROL P	POINT LOCATION
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E61. Call Sign	E66. Phone Number		
NOTE: Please enter the callsign of the controlling station, not th 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	1 Site					
E1: Site Identifier:	JSHS	E5. Call Sign:				
E2: Contact Name	Greg Tooke	E6. Phone Number:	(907) 550-8364	4		
E3. Street:	Junior Senior High School	E7. City:	Aniak			
		E8. County:	Bethel Census A	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 (AM	ISL):	11.34 meters				
E15. If the proposed ante antenna(s) comply with t qualification measurement	by the manufacturer's	o _{Yes}	● No	o _{N/A}		
Service (FSS) with non-g	enna(s) do not operate in the Fixed Satellite Secostationary satellites, do(es) the proposed at 09(a2) and (b) as demonstrated by the manufactors.	ntenna(s) comply with the antenn	a gain patterns	o _{Yes}	o _{No}	● N/A
E17. Is the facility operate	ne control point.	o Yes	•	No		
E18. Is frequency co	oordination required? If YES, attach a	a frequency coordination re	port as			
tp://licensing.fcc.gov/ibfsw	veb/ib.page.FetchForm?id_app_num=117758&	form=P015_101.htm&mode=disp	lay			5.

	● Yes	o 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.	o _{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: JSHS	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
JSHS	VSAT 2	1	Prodelin	1244	2.4	37.6 dBi at 3.7400
JSHS	VSAT 2	1	Prodelin	1244	2.4	41.6 dBi at 5.9650

E2 Ante		E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	Height Above	Input Power	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total
VSA	Г2	0.0/0.0	3.0	11.34	0.0	10.8	0.0	52.5

FREQUENCY

E28.	E43/44.	E45.	E46. Antenna	E47.	E48. Maximum	E49. Maximum ERIP			
Antenna	Frequency	T/R	Polarization(H,V,L,R)	Emission	EIRP per	Density per			
Id	Bands(MHz)	Mode	r otat ization(11, v,L,K)	Designator	Carrier(dBW)	Carrier(dBW/4kHz)			
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0			
E50. Mod	E50. Modulation and Services Digital								
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0			
E50. Mod	ulation and Service	es Digit	al						
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0			
E50. Mod	ulation and Service	es Digit	al						
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0			
E50. Mod	ulation and Service	es Digit	al						
VSAT 2	5960.2 6001	T	Horizontal and Vertical	1M20G7W	52.5	21.1			
E50. Mod	ulation and Service	es Digit	al						
VSAT 2	5960.2 6001	T	Horizontal and Vertical	2M80G7W	52.5	21.1			
E50. Mod	E50. Modulation and Services Digital								
VSAT 2	5960.2 6001	T	Horizontal and Vertical	5M60G7W	52.5	21.1			
E50. Mod	ulation and Service	es Digit	al						
	OLI GOODDINI LETON	_							

FREQUENCY COORDINATION

E28. Antenna Id	()rbit Ivno	Hroamov	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)
VSAT 2	Geostationary	3044 4016	114.0/116.0	130.78	10.95	132.77	11.68	0.0
	Geostationary	5960.2 6001	114.0/116.0	130.78	10.95	132.77	11.68	-17.96

REMOTE CONTROL POINT LOCATION

E61. Call Sign

E66. Phone Number

26/2018	licensing.fcc.gov/ibfsweb/ib.page	e.FetchForm?id_ap	o_num=117758&form=P0	015 101.htm&i	node=disp	lav	
NOTE: Please enter the	callsign of the controlling station, not the cal					,	
filed.							
E62. Street Address							
E63. City		E68. County		E67/68 State/0	3. Country	E6	4. Zip Code
	SATELLITE EARTI FCC Form 312 - Schedule B				ion)		
	FOR C	OFFICIAL US	E ONLY				
Location of Earth Station	on 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 Sch	nool	E7. City:	Aniak			
	Transic train traces Elementary Ser		E8. County:	Bethel Cer	nsus Are	a	
E4. State	AK		E9. Zip Code	99557	iisas i iie		
E10. Area of Operation			Aniak, AK	77551			
E11. Latitude:	61 ° 34 ' 49.0 " N		7 max, 7 m				
E12. Longitude:	159 ° 31 ' 51.7 " W						
E13. Lat/Lon Coordina			o _{NAD-27}	●NAD-8	2		o _{N/A}
			11.34 meters	♥ NAD-8	3		● N/A
E14. Site Elevation (A	WISL):		11.34 meters				
antenna(s) comply with	tenna(s) operate in the Fixed Satellite Service the antenna gain patterns specified in Section ent? If NO, provide as a technical analysis sho	25.209(a) and (b)	as demonstrated by the n	nanufacturer's	o _{Yes}	● No	o _{N/A}
Service (FSS) with non-	tenna(s) do not operate in the Fixed Satellite S-geostationary satellites, do(es) the proposed (209(a2) and (b) as demonstrated by the manuscript of the manuscript of the manuscript of the satellites (b) and (b) as demonstrated by the manuscript of the satellites (b) as demonstrated by the manuscript of the satellites (b) and (c) are satellites (c) and (c) are satellites	antenna(s) comply	with the antenna gain pat		o Yes	o _{No}	● N/A
E17. Is the facility oper	ated by remote control? If YES, provide the le	ocation and telepho	one number of the control	point.	o Yes	0	No
	coordination required? If YES, attach				● Yes	0	No
E19. Is coordination plot of coordination	n with another country required? If Yo contours as	ES, attach the	name of the country	(ies) and	o Yes	•	No
notification is requ FAA's study regar FAILURE TO CO OF THIS APPLIC		a completed F(ructure to avia	CC Form 854 and/o		o Yes	•	No
POINTS OF COMMU							
Satellite Name:EU following:	TELSAT115WB(S2938) EUTELSA	T 115 WB 114	4.9 W.L. If you selec	ted OTHER	R, please	enter th	ne
E21. Common Nar	me:		E22. ITU Name:				
E23. Orbit Location	n:		E24. Country:				
	NICATION (Destination Points)						
E25. Site Identifier							
E26 Common Nan			E27 Country	USA			

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
AMNES	VSAT 2	1	Prodelin	1244	2.4	37.6 dBi at 3.7400
AMNES	VSAT 2	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)	E50. Above	Hoight Above	Innut Dowen	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
VSAT 2	0.0/0.0	3.0	11.34	0.0	10.8	0.0	52.5

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)
VSAT 2	3944 4016	R	Horizontal and Vertical		, ,	0.0
E50. Mod	ulation and Service	es Digit	al		1	1
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	5960.2 6001	T	Horizontal and Vertical	1M20G7W	52.5	21.1
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	5960.2 6001	Т	Horizontal and Vertical	2M80G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	5960.2 6001	Т	Horizontal and Vertical	5M60G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			

FREQUENCY COORDINATION

E28. Antenna Id	I Irbit Ivno	Frequency	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	130.8	10.95	132.79	11.68	0.0
	Geostationary	5960.2 6001	114.0/116.0	130.8	10.95	132.79	11.68	-17.97

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.

E62. Street Address

E63. City

E68. County

E67/68.
State/Country

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station S	ocation of Earth Station Site								
E1: Site Identifier:	CVSS	E5. Call Sign:							
E2: Contact Name Greg Tooke		E6. Phone Number:							
E3. Street: Crown Village Sam School		E7. City: Chuathbaluk							
		E8. County:							
E4. State AK		E9. Zip Code							
E10. Area of Operation:		Chuathbaluk, AK							
E11. Latitude:	61 ° 34 ' 23.7 " N								
E12. Longitude:	159 ° 14 ' 57.8 " W								
E13. Lat/Lon Coordinates	are:	O _{NAD-27}	◎ NAD-83	o _{N/A}					
E14. Site Elevation (AMS)	L):	11.45 meters							
E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed									

qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite 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?	OYes	o _{No} ⊗ _{N/A}
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	● No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	• Yes	o _{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.	O 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: CVSS	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
CVSS	VSAT 2	1	Prodelin	1244	2.4	37.6 dBi at 3.7400
CVSS	VSAT 2	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	TT 1-4 A L	T4 D	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
VSAT 2	0.0/0.0	3.0	11.45	0.0	10.8	0.0	52.5

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)
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	5960.2 6001	Т	Horizontal and Vertical	1M20G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	5960.2 6001	Т	Horizontal and Vertical	2M80G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	5960.2 6001	Т	Horizontal and Vertical	5M60G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			

FREQUENCY COORDINATION

E28. Antenna Id	Inhit Tymo	Fraguancy	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)	
VSAT 2	Geostationary	3944 4016	114.0/116.0	131.08	11.06	133.07	11.79	0.0	

6/26/2018 licensing.fcc.gov/ibfsweb/ib.page.FetchForm?id_app_num=117758&form=P015_101.htm&mode=display Geostationary 5960.2 6001 114.0/116.0 131.08 11.06 133.07 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 E62. Street Address E63. City E68. County E67/68. E64. Zip Code State/Country 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: E6. Phone Number: Greg Tooke (907) 550-8364 E2: Contact Name E3. Street: E7. City: Jack Egnaty Senior School Sleetmute E8. County: Bethel Census Area E4. State E9. Zip Code 99668 E10. Area of Operation: Sleetmute, AK 61 ° 42 ' 9.7 " N E11. Latitude: 157 ° 10 ' 14.9 " W E12. Longitude: ONAD-27 O_{N/A} E13. Lat/Lon Coordinates are: NAD-83 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 o_{Yes} No O_{N/A} antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy. E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite O_{Yes} O_{No} Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns N/A specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point. O Yes No E18. Is frequency coordination required? If YES, attach a frequency coordination report as Yes O No E19. Is coordination with another country required? If YES, attach the name of the country(ies) and O Yes No plot of coordination contours as 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? O 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: E22. ITU Name: E21. Common Name: E23. Orbit Location: E24. Country: POINTS OF COMMUNICATION (Destination Points) E25. Site Identifier: JESS E26. Common Name: E27. Country: USA ANTENNA Site E28. E29. E30. E31. E32. E41/42. Antenna Gain Transmint and/or Antenna Size ID Antenna Id | Quantity | Manufacturer Model Recieve(dBi at GHz) 37.6 dBi at 3.7400 JESS VSAT 2 Prodelin 1244 2.4 JESS VSAT 2 2.4 41.6 dBi at 5.9650 1 Prodelin 1244 E38. Total E28. E33/34. Diameter E35. Above E36. Above E37. Building E40. Total E39. Maximum

Height Above Input Power

Antenna Height

Ground

Sea

Antenna||Minor/Major(meters)

EIRP for al

Id		Level(meters)	Level(meters)	_	at antenna flange(Watts)	Above Rooftop(meters)	carriers(dBW)	
VSAT 2	0.0/0.0	3.0	12.1	0.0	10.8	0.0	52.5	

FREQUEN	CY

E28. Antenna	E43/44. Frequency	E45. T/R	E46. Antenna Polarization(H,V,L,R)	E47. Emission	E48. Maximum EIRP per	E49. Maximum ERIP Density per				
Id	Bands(MHz)	Mode		Designator	Carrier(dBW)	Carrier(dBW/4kHz)				
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0				
E50. Mod	ulation and Service	es Digit	al							
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0				
E50. Mod	ulation and Service	es Digit	al							
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0				
E50. Mod	ulation and Service	s Digit	al							
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0				
E50. Mod	ulation and Service	es Digit	al							
VSAT 2	5929 6001	T	Horizontal and Vertical	1M20G7W	52.5	21.1				
E50. Mod	ulation and Service	es Digit	al		·					
VSAT 2	5929 6001	T	Horizontal and Vertical	2M80G7W	52.5	21.1				
E50. Mod	E50. Modulation and Services Digital									
VSAT 2	5929 6001	Т	Horizontal and Vertical	5M60G7W	52.5	21.1				
E50. Mod	ulation and Service	es Digit	al							

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	Frequency	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	133.19	11.73	135.2	12.43	0.0
	Geostationary	5929 6001	114.0/116.0	133.19	11.73	135.2	12.43	-18.67

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E66. Phone Number					
NOTE: Please enter the callsign of the controlling station, not the call filed.						
E62. Street Address	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: J

JJSS E5. Call Sign: Greg Tooke E6. Phone Num

E2: Contact Name Greg Tooke
E3. Street: Johnnie John Sr School

E6. Phone Number: (907) 550–8364
E7. City: Crooked Creek

E8. County: Bethel Census Area

E4. State 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:

E14. Site Elevation (AMSL):

11.64 meters

◎ NAD-83

o_{N/A}

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.	o Yes	⊚ 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?	o _{Yes}	o _{No}	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	• Yes	. 0	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.	o Yes	. •	No

POINTS OF COMMUNICATION

Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 11 following:	5 WB 114.9 W.L. If you selected OTHER, please enter the
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi at GHz)
	VSAT 2	1	Prodelin	1244		37.6 dBi at 3.7400
JJSS	VSAT 2	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	Haight Abaya	Innut Dawen	E39. Maximum Antenna Height Above Rooftop(meters)	E40. lotal
VSAT 2	0.0/0.0	3.0	11.64	0.0	10.8	0.0	52.5

FREQUENCY

E28. Antenna	E43/44. Frequency	E45. T/R	E46. Antenna Polarization(H,V,L,R)	E47. Emission	E48. Maximum EIRP per	E49. Maximum ERIP Density per					
Id	Bands(MHz)	Mode		Designator	Carrier(dBW)	Carrier(dBW/4kHz)					
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0					
E50. Modulation and Services Digital											
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0					
E50. Mod	lulation and Service	es Digit	al								
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0					
E50. Mod	lulation and Service	es Digit	al								
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0					
E50. Mod	lulation and Service	es Digit	al								
VSAT 2	5929 6001	T	Horizontal and Vertical	1M20G7W	52.5	21.1					
E50. Mod	lulation and Service	es Digit	al								
VSAT 2	5929 6001	T	Horizontal and Vertical	2M80G7W	52.5	21.1					
E50. Modulation and Services Digital											
VSAT 2	5929 6001	T	Horizontal and Vertical	5M60G7W	52.5	21.1					
E50. Mod	E50. Modulation and Services Digital										

FREQUENCY COORDINATION

E28. Antenna Id	()rhit Ivno	Frequency	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)
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VSAT 2 Geostationary 3944 4016	114.0/116.0	132.26	11.27	134.26	11.98	0.0	
Geostationary 5929 6001	114.0/116.0	132.26	11.27	134.26	11.98	-18.25	

REMOTE (CONTROL	POINT LOCATION	Ī
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E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the cal filed.	lsign for which this application is being		
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 OF	FICIAL USE ONLY				
Location of Earth Station Si						
E1: Site Identifier:	GMSHS	E5. Call Sign:				
E2: Contact Name	Greg Tooke	E6. Phone Number:	(907) 550-8364			
E3. Street:	Gusty Michael School	E7. City:	Stoney River			
		E8. County:	Bethel Census Ar	ea		
E4. State	AK	E9. Zip Code	99557			
E10. Area of Operation:		Stoney River, AK				
E11. Latitude:	61 ° 47 ' 13.6 " N					
E12. Longitude:	156 ° 35 ' 17.7 " W					
E13. Lat/Lon Coordinates a	re:	o _{NAD-27}	● NAD-83		0	N/A
E14. Site Elevation (AMSL	.):	12.24 meters				
antenna(s) comply with the	a(s) operate in the Fixed Satellite Service (F antenna gain patterns specified in Section 2: If NO, provide as a technical analysis show	5.209(a) and (b) as demonstrate	d by the manufacturer's	o Yes	● No	o _{N/A}
Service (FSS) with non-geog	a(s) do not operate in the Fixed Satellite Ser stationary satellites, do(es) the proposed ant a2) and (b) as demonstrated by the manufac	tenna(s) comply with the antenn	a gain patterns	o _{Yes}	o _{No}	● N/A
E17. Is the facility operated	by remote control? If YES, provide the loca	ation and telephone number of t	he control point.	o Yes	•	No
E18. Is frequency coor	dination required? If YES, attach a	frequency coordination re	port as	• Yes	0	No
E19. Is coordination w plot of coordination co	ith another country required? If YE ntours as	S, attach the name of the	country(ies) and	o Yes	•	No
notification is require FAA's study regardin FAILURE TO COMI OF THIS APPLICAT		completed FCC Form 85 cture to aviation?	4 and/or the	o _{Yes}	•	No
POINTS OF COMMUNIC						
Satellite Name:EUTEI	LSAT115WB(S2938) EUTELSAT	115 WB 114.9 W.L. If y	ou selected OTHER	R, please	enter th	e

Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 115 WB 114 following:	.9 W.L. If you selected OTHER, please enter the
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
GMSHS	VSAT 2	1	Prodelin	1244	2.4	37.6 dBi at 3.7400
GMSHS	VSAT 2	1	Prodelin	1244	2.4	41.6 dBi at 5.9650

E28 Anter Id	E33/34. Diameter ma Minor/Major(meters)	II .	Sea Level(meters)	Height Above Ground	Input Power at antenna	Antenna Height	EIRP for al carriers(dBW)
VSAT	2 0.0/0.0	3.0	12.24	0.0	10.8	0.0	52.5

EC		

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)
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	5929 6001	T	Horizontal and Vertical	1M20G7W	52.5	21.1
E50. Mod	ulation and Service	s Digit	al			
VSAT 2	5929 6001	T	Horizontal and Vertical	2M80G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			
VSAT 2	5929 6001	Т	Horizontal and Vertical	5M60G7W	52.5	21.1
E50. Mod	ulation and Service	es Digit	al			

FREQUENCY COORDINATION

E28. Antenna Id		Fraguancy	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	133.79	11.87	135.81	12.57	0.0
	Geostationary	5929 6001	114.0/116.0	133.79	11.87	135.81	12.57	-18.79

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the cal filed.	lsign for which this application is being		
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: GMHS E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550–8364

E3. Street: George Morgan Senior High School E7. City: Kalskag

E8. County: Bethel Census Area

E4. State AK E9. Zip Code 99607

E10. Area of Operation: Kalskag, AK

E11. Latitude: 61 ° 31 ' 57.9 " N

E12. Longitude: 01 31 37.9 N
E12. Longitude: 160 ° 20 ' 50.0 " W

E13. Lat/	Lon Coordinates	s are:					01	NAD-27	7 ⊚ N	AD-83			o _{N/A}
E14. Site	Elevation (AMS	SL):					11.	.07 meter					
antenna(s) comply with th	e antenna ga	in patte	erns specified i	n Section 25	5.209(a)	and (b) as	s demonst	llites, do(es) the prograted by the manufagree spacing policy	acturer's	o _{Yes}	● No	o _{N/A}
Service (I		eostationary	satellite	es, do(es) the p	roposed ante	enna(s)	comply w	ith the an	te in the Fixed Sate tenna gain patterns ements?	llite	o _{Yes}	o _{No}	● N/A
E17. Is th	e facility operate	d by remote	contro	1? If YES, prov	ide the loca	tion and	d telephon	e number	of the control point	t.	o Yes	•	No
E18. Is	frequency coo	ordination	requi	red? If YES	, attach a	freque	ncy cooi	rdinatio	n report as		• Yes	0	No
	coordination coordination c			untry require	ed? If YE	S, atta	ch the na	ame of t	he country(ies)	and	o Yes	•	No
notifica FAA's s FAILU OF TH	study regardi	red, have ing the po IPLY WI TION.	you a tentia	ttached a co al hazard of	opy of a c	omple cture t	eted FC(to aviati	C Form on?	here FAA 1854 and/or the T IN THE RET		o _{Yes}	•	No
-			WB(S	S2938) EU	TELSAT	115 W	/B 114.	9 W.L.	If you selected (OTHER	l, please	enter tl	ne
followi													
<u> </u>	ommon Name	:							U Name:				
	bit Location:	CATION (E24. Co	ountry:				
	OF COMMUNI te Identifier: C		Jestina	tion Points)				7					
	ommon Name							E27.	Country: USA				
ANTENN								I	<u> </u>				
Site ID	E28. Antenna Id	E29. Quantity	Mai	E30. nufacturer	E31. Model	Ant	32. tenna ize	F	E41/42. Antenna Recieve(l/or
GMHS	VSAT 2	1	Dung			<u> </u>							
GIVIII		1	Proc	delin	1244	2.4		37.6 dE	3i at 3.7400				
	VSAT 2	1	=			2.4			3i at 3.7400 3i at 5.9650				
	VSAT 2	1 1 Diameter jor(meter	Prod		1244 E36. A Sea	2.4 bove	E37. But Height Gro	41.6 dE uilding Above und	Bi at 5.9650 E38. Total	Anteni A	Iaximu 1a Heig bove p(meter	ht EI	40. Total RP for al iers(dBW
E28. Antenn Id	VSAT 2 E33/34. J Minor/Ma		Prod	delin 35. Above Ground vel(meters)	1244 E36. A Sea	2.4 bove (eters)	E37. But Height Gro	41.6 dE uilding Above und	E38. Total Input Power at antenna flange(Watts)	Anteni A	na Heig bove	ht EI	RP for al iers(dBW
E28. Antenn Id VSAT 2	VSAT 2 E33/34. Minor/Ma D 0.0/0.0 NCY	jor(meter	Prod E S) Le	delin 35. Above Ground vel(meters)	E36. A Sea Level(m	2.4 bove (eters)	E37. But Height Gro Level(n	41.6 dE uilding Above und neters)	E38. Total Input Power at antenna flange(Watts)	Anteni A Roofto	na Heig bove p(meter	ht EI carr 52.5	RP for al iers(dBW
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id	E33/34. Minor/Ma D 0.0/0.0 NCY E43/4 Freque Bands(M	jor(meter 4. Honcy MHz) M	Proceedings of the Process of the Pr	35. Above Ground vel(meters) E46. Ar	E36. A Sea Level(m 11.07	bove eters) E De	E37. But Height Gro Level(n 0.0 E47. mission esignator	41.6 dE uilding Above und meters)	E38. Total Input Power at antenna flange(Watts)	Anteni A Roofto 0.0	na Heig bove p(meter	ht EI carr 52.5	RP for al iers(dBW ERIP r
GMHS E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016	jor(meter	Proc E	35. Above Ground vel(meters) E46. Ar Polarization	E36. A Sea Level(m 11.07	bove eters) E De	E37. But Height Gro Level(n 0.0 E47. mission esignator	41.6 dE uilding Above und neters)	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. M	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and	4. Hancy MHz) R Services	Proceedings of the Process of the Pr	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a	E36. Al Sea Level(m 11.07	bove leters) E De al 3M0	E37. But Height Gro Level(n 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und meters) E4	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Me	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 2 3944 4016	Jor(meter	Prod E 3.0 E45. I/R Iode Digita	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a	E36. Al Sea Level(m 11.07	bove leters) E De al 3M0	E37. But Height Gro Level(n 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und meters)	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Me VSAT 2 E50. Me	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and	Jor(meter 14. Honcy Market Ma	Process E S Le 3.0 E 45. I I I I I I I I I	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a	E36. Al Sea Level(m 11.07	2.4 bove a eters) E De al 3M0 al 72M	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und neters) E4 C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and 3 3944 4016	Jor(meter 4. Honcy M R Services R Services R	Proceedings of the process of the pr	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a ll Horizontal a	E36. Al Sea Level(m 11.07	2.4 bove a eters) E De al 3M0 al 72M	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und meters) E4	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo	E33/34. Minor/Ma 2 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and	Jor(meter 4. Honcy M R Services R Services R	Proceedings of the Process of the Pr	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a ll Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R) and Vertica nd Vertica nd Vertica	2.4 bove a eters) E De dal 3M0 al 72M	E37. But Height Gro Level(r 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und neters) E4 C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2	E33/34. Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and 2 3944 4016 odulation and 3 3944 4016 odulation and	Jor(meter 4. Honcy M AHZ) M Services R Services R Services R	Process Le 3.0 245. I I I I I I I I I	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a ll Horizontal a ll Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R) and Vertica nd Vertica nd Vertica	2.4 bove a eters) E De dal 3M0 al 72M	E37. But Height Gro Level(r 0.0 E47. mission esignator 00G7W	41.6 dE uilding Above und meters) E- C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2	E33/34. Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and 3944 4016 odulation and 3944 4016 odulation and 3944 4016 odulation and 3944 5016 odulation and 3944 5016 odulation and 3944 5016 odulation and 3945 565 6237.565	Jor(meter 4. Honcy Market Mar	Proceedings of the process of the pr	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a ll Horizontal a ll Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R nd Vertica n	2.4 bove a eters) E De dal 3M0 al 72M al 9M2	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 00G7W	41.6 dE uilding Above und meters) E- C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2 E50. Mo VSAT 2	E33/34. 3 Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N E 3944 4016 odulation and E 3945 4016 odulation and E 3945 565 odulation and C 3944 4016 odulation and C 3944 4016	Jor(meter 4. Honcy Market Mar	Proceedings of the process of the pr	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a ll Horizontal a ll Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R nd Vertica n	2.4 bove a eters) E De dal 3M0 al 72M al 9M2	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 00G7W	41.6 dE uilding Above und meters) EA C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0 E 0.0 0.0 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2	E33/34. Minor/Ma E33/34. Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 3 3944 4016 odulation and 4 3945 565 6237.565 odulation and 6189.565 6237.565	Jor(meter 4. Honcy Management Ma	Process East Le 3.0 E45. I Digita Digita I Digita Digita I Digita Digi	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a al Horizontal a al Horizontal a al Horizontal a al Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R nd Vertica n	2.4 bove a eters) E De dal 3M0 al 72M al 9M3	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 00G7W 20G7W	41.6 dE uilding Above und meters) EA C 0.0	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0 E 0.0 0.0 0.0	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. Mo VSAT 2	E33/34. Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and 2 3944 4016 odulation and 3944 4016 odulation and 4 6189.565 odulation and 6189.565	Jor(meter 4. Honcy Management Ma	Process East Le 3.0 E45. I Digita Digita I Digita Digita I Digita Digi	35. Above Ground vel(meters) E46. Ar Polarization Horizontal a al Horizontal a al Horizontal a al Horizontal a al Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R nd Vertica n	2.4 bove a eters) E De dal 3M0 al 72M al 9M3	E37. Be Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 00G7W 20G7W	41.6 dE uilding Above und meters) E-c 0.0 0.0 0.0 52.5	E38. Total Input Power at antenna flange(Watts) 10.8	Antenia A Roofto	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. M VSAT 2	E33/34. 3 Minor/Ma E33/34. 3 Minor/Ma E43/4 Freque Bands(N E3944 4016 odulation and E3945 55 6237.565 odulation and E6189.565 6237.565 odulation and E6189.565 6237.565	Jor(meter 44. Honcy M Services R Services R Services T Services T Services T Services T	Process E E S Le S Le S Le S Le S Le S S S S S S S S S	E46. Ar Polarization Horizontal a al Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R) nd Vertica	2.4 bove a eters) E De dal 3M0 al 72M al 9M2 al 1M2	E37. Bi Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 50G7W	41.6 dE uilding Above und meters) E-c 0.0 0.0 0.0 52.5	E38. Total Input Power at antenna flange(Watts) 10.8	Antenia A Roofto	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r
E28. Antenn Id VSAT 2 FREQUE E28. Antenn Id VSAT 2 E50. M E50. M E50. M E50. M E50. M	E33/34. Minor/Ma E 0.0/0.0 NCY E43/4 Freque Bands(N 2 3944 4016 odulation and 2 3944 4016 odulation and 3944 4016 odulation and 4 3944 4016 odulation and 5 6189.565 odulation and 6 6189.565 odulation and 6 6189.565 odulation and 6 6189.565	Jor(meter 4.	Process E E S Le S Le S Le S Le S Le S S S S S S S S S	E46. Ar Polarization Horizontal a al Horizontal a	E36. Al Sea Level(m 11.07 ntenna n(H,V,L,R) nd Vertica	2.4 bove a eters) E De dal 3M0 al 72M al 9M2 al 1M2	E37. Bi Height Gro Level(r 0.0 E47. mission esignator 00G7W 00G7W 50G7W	Above und	E38. Total Input Power at antenna flange(Watts) 10.8	Anteni A Roofto 0.0 0.0 0.0 0.0 0.0 21.1	na Heig bove p(meter 249. Ma	ht EI carr 52.5	RP for al iers(dBW ERIP r

E28. Antenna Id	• •	Frequency	E54/55. Range of Satellite Arc Eastern/Western 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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	129.99	10.68	131.97	11.42	0.0
	Geostationary	6189.565 6237.565	114.0/116.0	129.99	10.68	131.97	11.42	-17.7

				Eastern Limit	Limit	Western Limit	Limit			
VSAT 2	Geostationary	3944 4016	114.0/116.0	129.99	10.68	131.97	11.42	0.0		
	Geostationary	6189.565 6237.565	114.0/116.0	129.99	10.68	131.97	11.42	-17.7		
REMOTE	CONTROL POI	NT LOCATION						<u>'</u>		
E61. Call S	Sign					Į.	E66. Phone N	lumber		
NOTE: Ple	ease enter the calls	ign of the control	ling station, not the	callsign for which	this application	is being				
E62. Stree	t Address									
E63. City				E68. County			E67/68 State/O	3. Country	E6	64. Zip Co
			LLITE EAR				/			
			12 - Schedule FOR	OFFICIAL U	·		oeser ipe	, (i.e.)		
II.	of Earth Station Site									
E1: Site Id					E5. Call					
E2: Conta	•	g Tooke				ne Number:	(907) 55	0–8364		
E3. Street	: Jose	ph & OlingaG	regory Elementa	ary School	E7. City		Kalskag			
					E8. Cou	-	Bethel C	Census A	rea	
E4. State	AK				E9. Zip		99607			
ll .	of Operation:				Kalska	ag, AK				
E11. Latit		32 ' 41.9 " N								
E12. Long	gitude: 160	° 19 ' 3.7 " W			_		_			_
E13. Lat/I	Lon Coordinates ar	e:			ONA	D-27	NAD-	$\Delta D-83$		
E14. Site	Elevation (AMSL)	:			11.08	meters				
antenna(s) qualification	comply with the a on measurement? I	ntenna gain patte f NO, provide as	Fixed Satellite Servi rns specified in Secti a technical analysis	ion 25.209(a) and (showing complian	b) as demonstr ce with two-de	rated by the magree spacing po	nufacturer's olicy.	o _{Yes}	● No	O _{N/A}
Service (F	SS) with non-geost	tationary satellite	in the Fixed Satellit s, do(es) the propose constrated by the ma	ed antenna(s) comp	ly with the ant	enna gain patte		o Yes	o _{No}	⊚ N/A
E17. Is the	facility operated b	y remote control	? If YES, provide the	e location and telep	phone number	of the control p	oint.	O Yes	•	No
	1 ,		ed? If YES, attac					• Yes	0	No
	coordination wi		ntry required? If	YES, attach th	e name of the	ne country(io	es) and	o Yes	•	No
			R Part 17 and 4				_			
FAA's st FAILUF	tudy regarding	the potentia LY WITH 47	tached a copy o l hazard of the s CFR PARTS 1	structure to av	iation?			o _{Yes}	•	No
	OF COMMUNICA									
		SAT115WB(S	2938) EUTELS	SAT 115 WB 1	14.9 W.L. I	f you selecte	ed OTHER	R, please	enter th	ne
followin	<u> </u>				<u> </u>					
III721 Ca.	mman Namai				E22 ITI	I Mamai				

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)

|--|

E26. Common Name: E27. Country: USA

4 3 1	 	
ΔN		

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
JOGES	VSAT 2	1	Prodelin	1244	2.4	37.6 dBi at 3.7400
JOGES	VSAT 2	1	Prodelin	1244	2.4	41.6 dBi at 5.9650

E28. Anteni Id	E33/34. Diameter Minor/Major(meters)	E35. Above Ground Level(meters)	E36. Above	TT 1-4 A 1	T D	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total
VSAT :	2 0.0/0.0	3.0	11.08	0.0	10.8	0.0	52.5

FREQUENCY

FREQUENC	<u>, r</u>				1	1					
E28.	E43/44.	E45.	E46. Antenna	E47.	E48. Maximum	E49. Maximum ERIP					
Antenna	Frequency	T/R	Polarization(H,V,L,R)	Emission	EIRP per	Density per					
Id	Bands(MHz)	Mode	r otat ization(11, v,L,K)	Designator	Carrier(dBW)	Carrier(dBW/4kHz)					
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0					
E50. Modulation and Services Digital											
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0					
E50. Modu	ulation and Service	es Digit	al		·						
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0					
E50. Modu	ulation and Service	es Digit	al		·						
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0					
E50. Modu	ulation and Service	es Digit	al								
 	6189.565	Т	Horizontal and Vertical	1M20G7W	52.5	21.1					
V SI II 2	6237.565	1	Trorizontar and verticar	11112007 11	32.3	21.1					
E50. Modu	ulation and Service	es Digit	al								
 	6189.565	Т	Horizontal and Vertical	2M80G7W	52.5	21.1					
V S/ II 2	6237.565	1	Tronzontar and verticar	ZIVIOOG7 W	32.3	21.1					
E50. Modi	ulation and Service	es Digit	al								
 	6189.565	Т	Horizontal and Vertical	5M60G7W	52.5	21.1					
	6237.565	1		51110007 W	32.3	21.1					
E50. Modi	ulation and Service	es Digit	al								

FREQUENCY COORDINATION

E28. Antenna Id	()rhit lyno	Hradilancy	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	130.02	10.68	132.0	11.42	0.0
	Geostationary	6189.565 6237.565	114.0/116.0	130.02	10.68	132.0	11.42	-17.71

REMOTE	CONTROL	POINT I	LOCATION

E61. Call Sign

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

Locatio	n of	Earth Station	n Site																
E1: Site	e Ide	ntifier:	ZLES								E5. C	all	Sign:						
E2: Co		Name	Greg To								E6. P	hoı	ne Numb		(907) 5		364		
E3. Stre	eet:		Zackar	Lev	i El	lementary S	Scho	ol			E7. C					_			
			4.77									County: Bethel Census					ıs Area		
E4. Sta			AK									Zip Code 99607							
		of Operation:		. 42	<i>(</i>	NT.					Kals	ka	g, AK						
E11. La			61 ° 30 160 ° 2																
E12. Lo	_			1 4	1.3	VV					\circ_{N}	л т	2 27		NAI	2 02			o _{N/A}
		on Coordinat)-27 neters		♥ NAI	J-83			VN/A
		evation (AM															7		
antenna	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.											o _{Yes}	⊚ 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?											o _{Yes}	o _{No}	● N/A						
E17. Is	the fa	acility opera	ted by remo	ote co	ntro	l? If YES, pr	ovide	the loc	catio	n and	d telepho	ne	number	of the contr	rol point		o Yes	•	No
E18. Is	E18. Is frequency coordination required? If YES, attach a frequency coordination report as									• Yes	C	No No							
II.		ordination ordination			· co	untry requi	ired?	If YE	ES,	atta	ch the r	naı	me of the	he countr	y(ies) a	and	o Yes	•	No
-					CE	R Part 17	and	47 C	'FR	nai	rt 25 11	13/	(c)) WI	horo FA A					
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.												o _{Yes}	•	No					
		COMMUN																	
			ELSAT1	15W	/B(S2938) I E	UTE	LSAT	11	5 W	/B 114	4.9	W.L. I	If you seld	ected (THEF	R, please	enter t	he
follow												TITE	200 177	TINI					
<u> </u>		mon Nam										╡늗		U Name:					
_		t Location										E	E24. Co	ountry:					
_		Identifier:		(Des	stina	tion Points)						_							
		mon Nam										_	E27 C	ountry: U	C A				
ANTEN		IIIOII INAIII	· .										E27. C	ountry. O	эл				
Site ID		E28. Itenna Id	E29. Quantit	y N	Ian	E30. ufacturer	II .	31. odel	A		32. enna ze		E	41/42. Aı Recie		Gain _dBi a		int and GHz)	l/or
ZLES	VS.	AT 2	1	P	rod	elin	124	4	2.4			3′	7.6 dBi	i at 3.7400	0				
ZLES	VS	AT 2	1	P	rod	elin	124	4	2.4			4	1.6 dBi	i at 5.9650	0				
E28 Anten Id	na	Minor/M	. Diamete ajor(met		Le	35. Above Ground vel(meters	s) Le		ea		Heigh Gr	t A		Input Po at ante flange(W	ower nna /atts) l	Anten A Roofto	Maximu na Heig bove pp(meter	ht El carı	40. Total RP for al riers(dBW
VSAT		0.0/0.0			3.0)	11	.08			0.0			10.8	(0.0		52.5	
FREQU			/ / /	T 44					I		T. 45			40.35.1		1 -	7.40. 7.5		EDID
E28 Anten	- 11	E43/ Frequ		E45	- 11	E46. A	Antei	nna		E	E47. missio	n	E4	48. Maxiı EIRP pe		l l	E49. Ma	ximum ısity pe	
Id	ша	Bands(Mod	- 11	Polarizatio	on(H	I,V,L,	R)		signate		$\ \ _{\mathbf{C}}$	arrier(dl			Carrier		
VSAT	2	3944 4010		R	==	Horizontal	and	Vertic	cal				0.0			0.0			
		ulation an																	
VSAT	- 17	3944 4010		R	_	Horizontal	and	Vertic	cal	72N	40G7W	I	0.0			0.0			
		ulation an					una	VOITE	Jai	7 214	100711		0.0			0.0			
VSAT	- 11	3944 4010		R	-	Horizontal	and	Vertic	cal	7M	00G7W	I	0.0			0.0			
		ulation an					anu	TOTH	-ui	/ 171									
VSAT	-	3944 4010		R		Horizontal	and	Vertic	ral lar	<u>9М</u>	50G7W	I	0.0			0.0			
							anu	vortic	-ai	∠1V1 .	2007 W		0.0						
HE-20. IV	350. Modulation and Services Digital																		

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

OF THIS APPLICATION.	
POINTS OF COMMUNICATION	

Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 115 WB 114 following:	.9 W.L. If you selected OTHER, please enter the
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

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

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
HUB	HUB	1	General Dynamics	1383	3.8	41.6 dBi at 3.7400
HUB	HUB	1	General Dynamics	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	Hoight Above	Innut Dowen	E39. Maximum Antenna Height Above Rooftop(meters)	E40. Total
HUB	0.0/0.0	4.0	41.0	0.0	267.0	0.0	58.4

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)
HUB	3944 4016	R	Horizontal and Vertical	1M20G7W	0.0	0.0
E50. Mod	lulation and Service	es Digit	al			
HUB	3944 4016	R	Horizontal and Vertical	2M80G7W	0.0	0.0
E50. Mod	lulation and Service	es Digit	al			
HUB	3944 4016	R	Horizontal and Vertical	5M60G7W	0.0	0.0
E50. Mod	lulation and Service	es Digit	al			
HUB	6169 6241	T	Horizontal and Vertical	3M00G7W	58.4	30.1
E50. Mod	lulation and Service	es Digit	al			
HUB	6169 6241	T	Horizontal and Vertical	72M0G7W	58.4	28.0
E50. Mod	lulation and Service	es Digit	al			
HUB	6169 6241	T	Horizontal and Vertical	7M00G7W	58.4	26.4
E50. Mod	lulation and Service	es Digit	al			
HUB	6169 6241	Т	Horizontal and Vertical	9M50G7W	58.4	24.6
E50. Mod	lulation and Service	es Digit	al			

FREQUENCY COORDINATION

E28. Antenna Id	()whit 'I wmo	Frequency	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)
HUB	Geostationary	3944 4016	114.0/116.0	140.45	14.62	142.53	15.25	0.0
	Geostationary	6169 6241	114.0/116.0	140.45	14.62	142.53	15.25	-15.94

REMOTE CONTROL POINT LOCATION

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

FREQUENCY E28.

Antenna

Id

VSAT 1 3944 4016

E43/44.

Frequency

Bands(MHz)

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:	ST PAU	JL]	E5. Call S	ign:					
E2: Cont	act Name	Greg To	ooke		j	E6. Phone	Number:	(907) 550-836	54		
E3. Stree	et:	100 Ha	rbor View Drive	;]	E7. City:		St. P	aul			
]	E8. Coun	y:	St. P	aul			
E4. State	:	AK]	E9. Zip C	ode	9966	60			
E10. Are	a of Operation:				,	St. Paul	, AK					
E11. Lati	itude:	57 ° 7 '	23.0 " N									
E12. Lon	ngitude:	170 ° 1	6 ' 45.0 " W									
E13. Lat	Lon Coordinate	es are:				ONAD	-27	N	AD-83		0	N/A
E14. Site	Elevation (AM	SL):				3.0 meter	rs					
antenna(s qualificat E16. If th) comply with the comply with the comply with the comply with the comply	he antenna gain ht? If NO, provi nna(s) do not o	in the Fixed Satellite patterns specified it de as a technical an perate in the Fixed S	n Section 2 alysis show Satellite Se	25.209(a) ving com rvice (FS	and (b) a pliance w S), or if t	s demonst with two-de hey operate	rated by the manu- egree spacing police te in the Fixed Sate	facturer's 'y.	O Yes		o _{N/A}
			tellites, do(es) the p as demonstrated by t						· '	O _{Yes}	∨No	● N/A
E17. Is th	e facility operat	ed by remote co	ontrol? If YES, prov	ide the loc	ation and	l telephor	ne number	of the control poir	nt.	o _{Yes}	•	No
E18. Is	frequency co	ordination re	equired? If YES	, attach a	freque	ncy coo	rdinatio	n report as		• Yes	0	No
	coordination coordination		r country require	ed? If YE	ES, attac	ch the n	ame of t	he country(ies)	and	O Yes	•	No
FAILU OF TH POINTS	RE TO CON IS APPLICA OF COMMUN	MPLY WITH ATION. ICATION	ential hazard of H 47 CFR PAR WB(S2938) EU	TS 17 A	ND 25	WILL	RESUL		TURN	o Yes		No
following		ELSAIIISV	VD(32930) EU	TELSAI	113 W	D 1114	.9 W.L.	ii you selected	OTHEK,	piease e	inter tir	e
E21. Co	ommon Name	e:					E22. IT	U Name:				
E23. O1	bit Location:						E24. Cc	ountry:				
POINTS	OF COMMUN	ICATION (De	stination Points)					-				
	te Identifier:	•	,									
E26. Co	ommon Name	e:					E2	7. Country:				
ANTENN												
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Ant	32. enna ze	E	241/42. Antenn Recieve(or
ST PAUL	VSAT 1		General Dynamics	1383	3.8		0.0 dBi	at				
E28. Antenn Id	Minor/Ma	Diameter ajor(meters)	Level(meters)	· ·	a neters)	Height Gro Level(ound meters)	Input Power at antenna flange(Watts)	Antenna Ab Rooftop	aximum a Height ove (meters)	EII Carri	0. Total RP for al ers(dBW
VSAT 1	0.0/0.0		2.0	8.0		0.0		1.9	0.0		47.9	

E47.

Emission

Designator

E48. Maximum

EIRP per

Carrier(dBW)

0.0

E46. Antenna

Polarization(H,V,L,R)

Horizontal and Vertical 3M00G7W

E45.

T/R

Mode

E49. Maximum ERIP

Density per

Carrier(dBW/4kHz)

E50. Mod	dulation and Service	es Digit	al		
VSAT 1	3944 4016	R	Horizontal and Vertical 72M0G7W	0.0	0.0
E50. Mod	dulation and Service	es Digit	al		
VSAT 1	3944 4016	R	Horizontal and Vertical 7M00G7W	0.0	0.0
E50. Mod	dulation and Service	es Digit	al		
VSAT 1	3944 4016	R	Horizontal and Vertical 9M50G7W	0.0	0.0
E50. Mod	dulation and Service	es Digit	al		

FREQUENCY COORDINATION

E28. Antenna Id	() whit 'I vma	Hrogitoney	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)
VSAT 1	Geostationary	3944 4016	114.0/116.0	119.3	9.0	120.2	9.4	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	J	E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the call filed.	sign for which this application is being		
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 S						
E1: Site Identifier:	TEST SITE	E5. Call Sign:				
E2: Contact Name	Greg Tooke	E6. Phone Number:	(907) 550-8364	1		
3. Street:	600 Telephone Ave	E7. City:	Anchorage			
		E8. County:	Anchorage			
4. State		E9. Zip Code	99515			
210. Area of Operation:		Anchorage, AK				
E11. Latitude:	61 ° 11 ' 10.5 " N					
E12. Longitude:	149 ° 52 ' 15.6 " W					
E13. Lat/Lon Coordinates	are:	O _{NAD-27}	◎ NAD-83		01	√A
E14. Site Elevation (AMSI	L):	35.0 meters				
ualification measurement? 16. If the proposed antennervice (FSS) with non-geo	antenna gain patterns specified in Sect ? If NO, provide as a technical analysis ma(s) do not operate in the Fixed Satelli postationary satellites, do(es) the propose	showing compliance with two-degree te Service (FSS), or if they operate ed antenna(s) comply with the anter	nee spacing policy. in the Fixed Satellite ana gain patterns	o _{Yes}		• N/A
·	(a2) and (b) as demonstrated by the many by remote control? If YES, provide the	<u> </u>		o _{Yes}		No
				- 168	•	NO
	rdination required? If YES, atta	ch a frequency coordination	report as	• Yes		No
18. Is frequency coordination w	vith another country required? I	<u> </u>	1		0	
E18. Is frequency coordination we lot of coordination coordination coordination coordination is require FAA's study regarding	with another country required? In contours as on - (See 47 CFR Part 17 and 4 ed, have you attached a copy on the potential hazard of the PLY WITH 47 CFR PARTS 1	f YES, attach the name of the 7 CFR part 25.113(c)) Whe of a completed FCC Form 8 structure to aviation?	country(ies) and ore FAA is 4 and/or the	• Yes	○●	No
118. Is frequency coordination while the coordination coordination coordination coordination is require AA's study regardinal AILURE TO COM	with another country required? In contours as n - (See 47 CFR Part 17 and 4 ed, have you attached a copy ong the potential hazard of the PLY WITH 47 CFR PARTS 1 ITION.	f YES, attach the name of the 7 CFR part 25.113(c)) Whe of a completed FCC Form 8 structure to aviation?	country(ies) and ore FAA is 4 and/or the	• Yes • Yes	○●	No No

26/2018		lice	nsing.fcc.gov/ibfswe	:b/1b.page.Fe	etchForr	n?id_ap	p_num=11	//58&form=P01	15_101.h	tm&moo	de=display	
Satellite following		LSAT115W	VB(S2938) EU	TELSAT	115 W	B 11	4.9 W.L.	. If you select	ed OT	HER, J	please en	ter the
E21. Co	mmon Name:						E22. I	ΓU Name:				
E23. Ort	oit Location:						E24. C	Country:				
POINTS O	F COMMUNIO	CATION (De	stination Points)									
E25. Site	dentifier:											
E26. Cor	mmon Name:						E	27. Country:				
ANTENNA	\		1	1								
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	An	E32. tenna Size		E41/42. Ant Recieve		Gain Ti dBi at		t and/or Hz)
TEST SITE	VSAT 2	1	Prodelin	1244	2.4		0.0 dE	Bi at				
E28. Antenna Id	Minor/Maj		Level(meters)	<u> </u>	ì	Heigl Gı Level	Building nt Above ound (meters)	Input Pow at antenn flange(Wat	er An a ts) Ro	tenna Abo oftop(meters)	E40. Total EIRP for al carriers(dBW
			9.0	35.0		0.0		9.33	0.0	1		51.2
FREQUEN	1	4 54				T. 45		140.34		T. 46	2.34	EDID
E28. Antenna	E43/44 Freque	ll l	_D E46. An		F	E47. missio	ll ll	E48. Maximu EIRP per	ım	E49	9. Maxın Densit	num ERIP
Id	Bands(M	•	Polarization	ı(H,V,L,R	7 1 11	signat	ll l	Carrier(dBV	v)	Ca		SW/4kHz)
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 3M0	00G7V	V 0.0			0.0		
E50. Mo	dulation and	Services Di	igital		'		'\					
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 72N	10G7V	V 0.0		(0.0		
E50. Mo	dulation and	Services Di	gital				1,					
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 7M0	00G7V	0.0		(0.0		
E50. Mo	dulation and	Services Di	gital									
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 9M:	50G7V	0.0		(0.0		
	dulation and		gital									
FREQUEN	NCY COORDIN	NATION						77.50	1		1	
E28. Antenna Id	E51. Satelli Orbit Typ		ency of Satell	lite Arc Western	E50 Ear Stati Azim Ang East Lin	th ion uth gle ern	E57. Antenna Elevatio Angle Eastern Limit	Azimuth	Ant Elev An We	59. tenna vation ngle stern imit	EIR tov Horizoi	Maximum AP Density ward the n(dBW/4kHz)
VSAT 2	Geostationa			5.0	140.5	1	4.6	141.5	14.9		0.0	
	CONTROL PO	DINT LOCAT	MON						ECC DI	NT.		
NOTE: Ple filed.	ease enter the cal	llsign of the co	ontrolling station, no	ot the callsig	gn for w	hich thi	s application		E66. Ph	one Nun	noer	
E63. City				E6	58. Cour	nty			ll l	.67/68. tate/Cou	ıntry	E64. Zip Code
]		ATELLITE E m 312 - Scheo		Techi	nical	and Op	perational (ription	n)	.T
ll .	of Earth Station S											
E1: Site Id			NLET		Call S	-		(00T)	550.00	C 1		
E2: Conta		_	Tooke rsion Inlet		o. Phone '. City:	Numbe	r:	(907) 5 Excurs				
Les. Succi	•	EXCU	1910H HHEt	E/	. city.			Excurs	MIL HOT	υι		

				E8	3. Count	y:		Haines I	Borough			
E4. State		AK		E9	. Zip Co	ode		99827				
E10. Area	of Operation:			E	xcursic	n Inlet	, Alaska					
E11. Latitu	ıde:	58 ° 2	24 ' 55.3 " N									
E12. Longi	itude:	135 °	26 ' 36.4 " W									
E13. Lat/L	on Coordinates	are:		0	NAD-	-27		NAD.	-83		\circ_{N}	I/A
E14. Site E	Elevation (AMS	L):		10).36 me	eters						
antenna(s)	comply with the	e antenna gain	n the Fixed Satellite patterns specified i	n Section 25	5.209(a)	and (b)	as demons	trated by the man	ufacturer's	o _{Yes}	● No	o _{N/A}
E16. If the	proposed anten	na(s) do not op	de as a technical and perate in the Fixed Stellites, do(es) the p	Satellite Ser	vice (FS	S), or if	they opera	te in the Fixed Sa	itellite	o _{Yes}	O No.	● N/A
specified in	Section 25.209	P(a2) and (b) a	s demonstrated by to	he manufac	turer's q	ualificati	ion measur	ements?		o _{Yes}		No
			equired? If YES							• Yes		No
			country require						b ac /e			
plot of co	ordination c	ontours as								O Yes		No
notificati FAA's st	opy of a c	comple cture t	eted FC o aviat	CC Form tion?	here FAA n 854 and/or t T IN THE R		o _{Yes}	•	No			
-			VB(S2938) EU	TELCAT	115 W	/D 11/	1 O W I	If you calcute	1 OTHED	places	ntor th	10
following	g:		VB(32936) 1EU	TELSAI	113 W	D 112	1		OTTIER	, piease e		
	nmon Name:						-	U Name:				
	it Location:						E24. Co	ountry:				
		CATION (De	stination Points)									
	Identifier:											
	nmon Name:						E2	27. Country:				
ANTENNA	<u> </u>				10	22						
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Ant	32. tenna ize	I	E41/42. Anter Recieve(_			nt and GHz)	l/or
EX INLET	VSAT 2	1	Prodelin	1244	2.4		0.0 dB	i at				
E28. Antenna Id	Minor/Maj		Level(meters)	`	ı	Heigh Gr Level	Building It Above ound (meters)	Input Power at antenna flange(Watts	Antenn Al Roofton	aximum a Heigh oove o(meters	EII Carri	0. Total RP for al iers(dBW
	0.0/0.0		3.0	10.36		0.0		12.0	0.0		51.3	
FREQUEN E28.	E43/4	4. E4	5			E47.	F.	48. Maximun	, E	49. Maxi	mum	FRIP
Antenna	II.		R ∥ F.40. AI		Eı Eı	missio		EIRP per	.		ity per	
Id	Bands(N	IHz) Mo	de Polarization	ı(H,V,L,F	() De	signate	or C	Carrier(dBW)		Carrier(d	BW/4	kHz)
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 3M0	00G7W	0.0		0.0			
E50. Mod	dulation and	Services Di	gital		·		·		·			
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 72M	10G7W	0.0		0.0			
E50. Mod	dulation and	Services Di	gital				12					
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 7M0	00G7W	0.0		0.0			
E50. Mod	dulation and	Services Di	igital				"		"			
VSAT 2	3944 4016	R	Horizontal a	nd Vertica	al 9M5	50G7W	0.0		0.0			
	dulation and											
	CY COORDII		<u> </u>									
E28. Antenna Id	E51. Satell Orbit Typ	e Freque	ll l	lite Arc Western	E50 Ear Stati Azim Ang	th ion I uth	E57. Antenna Elevation Angle		E59. Antenna Elevation Angle	n El n t	RP De	

26/2018	ncensing.	gov/forsweb/fb.	page.FetchForm?id_ Eastern Limit	Eastern Limit	n Western	Western Limit		лау	
VSAT 2 Geostationary 3	944 4016	114.0/116.0	155.25	21.08	156.37	21.31	0.0		
REMOTE CONTROL POINT		_							
E61. Call Sign]	E66. Phone N	lumber		
NOTE: Please enter the callsign filed.	of the controlli	ng station, not the	e callsign for which	this applicat	ion is being				
E62. Street Address									
E63. City			E68. County			E67/68 State/C	S. Country	E6	4. Zip Cod
	SATE	LITE EAR	TH STATIO	N AUTI	IORIZATI	ONS			
FCC			e B:(Technica				on)		
		FOI	R OFFICIAL U	SE ONLY	Y				
Location of Earth Station Site									
E1: Site Identifier:	ALITAK	-	E5. Call Sign:						
E2: Contact Name	Greg To	=	E6. Phone Number:		(907) 55	0-8364			
E3. Street:	Alitak		E7. City:		Alitak				
	Alitak		E8. County:		Kodiak l	Island			
E4. State	AK		E9. Zip Code		99615				
E10. Area of Operation:			Cape Alitak, Al	aska					
E11. Latitude:	56 ° 53 '		1						
E12. Longitude:	154 ° 14	' 43.0 " W							
E13. Lat/Lon Coordinates are:			o _{NAD-27}		NAD-	-83		ON	/A
E14. Site Elevation (AMSL):			15.24 meters						
E15. If the proposed antenna(s) antenna(s) comply with the ante qualification measurement? If N	nna gain patter	ns specified in Sec	ction 25.209(a) and (b) as demon	strated by the ma	anufacturer's	o _{Yes}	⊚ No	o _{N/A}
E16. If the proposed antenna(s) Service (FSS) with non-geostati specified in Section 25.209(a2)	onary satellites	, do(es) the propos	sed antenna(s) comp	ly with the a	intenna gain patte		o _{Yes}	o _{No}	● N/A
E17. Is the facility operated by r	emote control?	If YES, provide t	he location and tele	phone numb	er of the control p	point.	o Yes	•	No
E18. Is frequency coordin	ation require	d? If YES, atta	ach a frequency	coordinati	on report as		• Yes	0	No
E19. Is coordination with plot of coordination conto		ntry required?	If YES, attach th	e name of	the country(i	es) and	o Yes	•	No
E20. FAA Notification - (notification is required, l FAA's study regarding t	have you att he potential	ached a copy hazard of the	of a completed structure to av	FCC Formation?	m 854 and/or		o _{Yes}	•	No
FAILURE TO COMPLY OF THIS APPLICATIO	N.	CFR PARTS	17 AND 25 WII	LL RESU	LT IN THE I	RETURN			
POINTS OF COMMUNICATION Satellite Name: EUTELS A		2938) EUTEL	SAT 115 WB 1	114.9 W.L	. If you selecte	ed OTHER	, please	enter th	ne
following:				E22 T	TII N'				
E21. Common Name:					TU Name:				
E23. Orbit Location:	ION (P. ·· ·	D.: 4 \		E24. (Country:				
POINTS OF COMMUNICATI E25. Site Identifier:	ON (Destinati	on Points)							
				 	207 Cat				
E26. Common Name:				E	E27. Country:				

1				
1	E26	$\overline{}$	N.T.	

E23: Site facilities:			
E26. Common Name			E27. Country:
ANTENNA			
		7700	

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(dBi atGHz)
ALITAK	VSAT 2	1	Prodelin	1244	2.4	0.0 dBi at

E28.	l			0		E39. Maximum	1 11
Id	Minor/Major(meters)	Level(meters)		0	at antenna	Antenna Height Above	carriers(dBW)
				Level(meters)	flange(Watts)	Rooftop(meters)	
VSAT 2	0.0/0.0	3.0	15.24	0.0	12.0	0.0	52.0

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)			
VSAT 2	3944 4016	R	Horizontal and Vertical	3M00G7W	0.0	0.0			
E50. Mod	ulation and Service	s Digit	al						
VSAT 2	3944 4016	R	Horizontal and Vertical	72M0G7W	0.0	0.0			
E50. Mod	ulation and Service	s Digit	al						
VSAT 2	3944 4016	R	Horizontal and Vertical	7M00G7W	0.0	0.0			
E50. Mod	ulation and Service	es Digit	al						
VSAT 2	3944 4016	R	Horizontal and Vertical	9M50G7W	0.0	0.0			
E50. Mod	E50. Modulation and Services Digital								

FREQUENCY COORDINATION

E28. Antenna Id	()rhit Ivno	Frequency	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)
VSAT 2	Geostationary	3944 4016	114.0/116.0	134.7	16.31	135.72	16.71	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the cal filed.	llsign for which this application is being		
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:	NAKNEK	E5. Call Sign:				
E2: Contact Name	Greg Tooke	E6. Phone Number:	(907) 550-8364			
E3. Street:	Naknek	E7. City:	Naknek			
		E8. County:	Bristol Bay Borough			
E4. State	AK	E9. Zip Code	99633			
E10. Area of Operation:		Naknek, AK				
E11. Latitude:	58 ° 43 ' 43.7 " N					
E12. Longitude:	157 ° 0 ' 0.9 " W					
E13. Lat/Lon Coordinates are:		O _{NAD-27}	● NAD-83		$\circ_{ m N}$	/A
E14. Site Elevation (AMSL):		4.88 meters				
antenna(s) comply with the anter	nna gain patterns specified	te Service (FSS) with geostationary in Section 25.209(a) and (b) as der nalysis showing compliance with to	nonstrated by the manufacturer's	o _{Yes}	● No	o _{N/A}
1 1 \ \ /	1	Satellite Service (FSS), or if they oproposed antenna(s) comply with the		o _{Yes}	o _{No}	● N/A

specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.

/26/2018 										o Yes	No
			ired? If YES, atta							● Yes	o No
plot of co	ordination con	tours as	ountry required? I						s) and	O Yes	No
notification FAA's stu FAILUR	on is required udy regarding	, have you a the potent LY WITH 4	FR Part 17 and 4 attached a copy o ial hazard of the 17 CFR PARTS 1	of a co struct	mpleted F ure to avia	CC Fo	orm 8	54 and/or		• Yes	No
	F COMMUNICA		(2222) 1777	G 1 T 1	1 7 77 75 1 1 1	40.777					
Satellite I following		SAT115WB	(S2938) EUTEL	SAT 1	15 WB 11	.4.9 W	.L. If	you selecte	d OTHE	R, please en	ter the
	nmon Name:					E22	. ITU	Name:			
	it Location:					===	. Cou				
<u> </u>	F COMMUNICA	TION (Destin	ation Points)								
E25. Site	Identifier:										
	nmon Name:						E27.	Country:			
ANTENNA					F22						
Site ID	E28. Antenna Id	E29. Quantity		E31. Model	E32. Antenn Size	a	E 4	41/42. Ante Recieve		n Transmin atG	nt and/or Hz)
NAKNEK	VSAT 2	1	Prodelin 12	244	2.4	0.0	0 dBi	at			
E28. Antenna Id	E33/34. Dia Minor/Major	meter	E35. Above Ground evel(meters) Lev	36. Abo Sea vel(met	ove Heig G	round	ove	E38. Total nput Powe at antenna ange(Watt	r Anten A	Aaximum na Height bove p(meters)	E40. Total EIRP for al carriers(dBW
VSAT 2	0.0/0.0	3.	0 4.88	8	0.0			2.0	0.0		52.1
FREQUEN	1		1		1		-1/-		-11	- 51-	
E28. Antenna	E43/44. Frequency Bands(MH		E46. Anteni Polarization(H,		E47. Emissio Designa		E	. Maximur EIRP per rrier(dBW		E49. Maxim Densit	y per
Id	Danas (WIII	,				.01				Carrier(dB	W/4kHz)
VSAT 2	3944 4016	R	Horizontal and V	/ertical					0.0	Carrier(dB	SW/4kHz)
VSAT 2 E50. Mod	3944 4016 Iulation and Se	rvices Digit	al		3M00G7V	<i>W</i> 0.	.0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2	3944 4016 Iulation and Se 3944 4016	rvices Digit	al Horizontal and V		3M00G7V	<i>W</i> 0.	.0			Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod	3944 4016 Iulation and Se 3944 4016 Iulation and Se	rvices Digit	al Horizontal and V al	/ertical	3M00G7V 72M0G7V	W 0.	.0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2	3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016	rvices Digit	al Horizontal and V al Horizontal and V	/ertical	3M00G7V 72M0G7V	W 0.	.0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod	3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016 Iulation and Se	rvices Digit R rvices Digit R rvices Digit	al Horizontal and V al Horizontal and V al	/ertical /ertical	3M00G7V 72M0G7V 7M00G7V	W 0. W 0.	.0 .0 .0 .0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2	3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016	rvices Digit R rvices Digit R rvices Digit R	al Horizontal and V al Horizontal and V al Horizontal and V	/ertical /ertical	3M00G7V 72M0G7V 7M00G7V	W 0. W 0.	.0 .0 .0 .0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod	3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016 Iulation and Se	rvices Digit R rvices Digit R rvices Digit R rvices Digit	al Horizontal and V al Horizontal and V al Horizontal and V	/ertical /ertical	3M00G7V 72M0G7V 7M00G7V	W 0. W 0.	.0 .0 .0 .0		0.0	Carrier(dB	SW/4KHZ)
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod	3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016 Iulation and Se 3944 4016 Iulation and Se	rvices Digit R rvices Digit R rvices Digit R rvices Digit R rvices Digit	al Horizontal and V al Horizontal and V al Horizontal and V al E54/55. Rai of Satellite A	/ertical /ertical nge Arc	3M00G7V	W 0. W 0.	.0 .0 .0 .0	E58. Earth Station Azimuth Angle Western Limit	0.0	a E60. on EIR tov n Horizor	Maximum P Density ward the
VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod FREQUENCE E28. Antenna Id	3944 4016 Iulation and Se CY COORDINA E51. Satellite	rvices Digit R rvices Digit	al Horizontal and V al Horizontal and V al Horizontal and V al E54/55. Rai of Satellite A Eastern/Wes	/ertical /ertical mge Arc	72M0G7V 72M0G7V 7M00G7V 9M50G7V E56. Earth Station Azimuth Angle Eastern Limit	W 0. W 0. W 0. E57 Anter Elevat Ang Easte	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	E58. Earth Station Azimuth Angle Western	0.0 0.0 0.0 E59. Antenn Elevatic Angle Wester	a E60. on EIR tov n Horizor	Maximum P Density
VSAT 2 E50. Mod VSAT 1 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod VSAT 2 E50. Mod FREQUENCE E28. Antenna Id	3944 4016 Iulation and Se CY COORDINA E51. Satellite Orbit Type Geostationary CONTROL POIN	rvices Digit R rvices Digit R rvices Digit R rvices Digit R rvices Digit Frequence Limits(MI	al Horizontal and V al Horizontal and V al Horizontal and V al E54/55. Rar of Satellite A Eastern/Wes Limit	/ertical /ertical mge Arc	72M0G7V 72M0G7V 7M00G7V 9M50G7V E56. Earth Station Azimuth Angle Eastern Limit	W 0. W 0. W 0. E57 Anter Elevat Ang Easte Lim	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	E58. Earth Station Azimuth Angle Western Limit	0.0 0.0 0.0 0.0 E59. Antenn Elevatic Angle Wester Limit	a E60. EIR tov Horizor	Maximum P Density ward the
VSAT 2 E50. Mod VSAT 2 E61. Call Si NOTE: Plea	3944 4016 Iulation and Se CY COORDINA E51. Satellite Orbit Type Geostationary CONTROL POIN	rvices Digit R rvices Digit Constant Constant	al Horizontal and V al Horizontal and V al Horizontal and V al E54/55. Rar of Satellite A Eastern/Wes Limit	/ertical /ertical mge Arc stern	72M0G7V 72M0G7V 7M00G7V 9M50G7V E56. Earth Station Azimuth Angle Eastern Limit 32.51	W 0.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	E58. Earth Station Azimuth Angle Western Limit	0.0 0.0 0.0 E59. Antenn Elevatic Angle Wester Limit	a E60. EIR tov Horizor	Maximum P Density ward the
VSAT 2 E50. Mod VSAT 2 E61. Call Si	3944 4016 Iulation and Se CY COORDINA E51. Satellite Orbit Type Geostationary CONTROL POIN ign	rvices Digit R rvices Digit Constant Constant	Horizontal and V al Horizontal and V al Horizontal and V al E54/55. Rai of Satellite A Eastern/Wes Limit 114.0/116.0	/ertical /ertical mge Arc stern	72M0G7V 72M0G7V 7M00G7V 9M50G7V E56. Earth Station Azimuth Angle Eastern Limit 32.51	W 0.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	E58. Earth Station Azimuth Angle Western Limit	0.0 0.0 0.0 0.0 E59. Antenn Elevatic Angle Wester Limit	a E60. EIR tov Horizor	Maximum P Density ward the
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