



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Alaska Communications Internet, LLC

Call Sign: E170205

Authorization Type: Modification of License

File Number: SES-MOD-20180626-01472

Non Common Carrier

Grant date: 08/05/2019

Expiration Date: 02/16/2033



Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	NAKNEK	Naknek, Bristol Bay Borough, AK 99633	58°43'43.7"N	157°0'0.9"W	4.88	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
2)	1	100 Harbor View Drive (3.8M.) VSAT St. Paul, St. Paul, AK 99660	57°7'23.0"N	170°16'45.0"W	8	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
3)	2	600 Telephone Ave. (2.4M.) VSAT Anchorage, Anchorage, AK 99515	61°11'10.5"N	149°52'15.6"W	35	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
4)	3	EXCURSION INLET EXCURSION INLET, HAINES BOROUGH, AK 99827	58°24'55.3"N	135°26'36.4"W	10.36	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
5)	4	ALITAK ALITAK, KODIAK, AK 99615	56°53'52.2"N	154°14'43.0"W	15.24	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
6)	5	NAKNEK NAKNEK, BRISTOL BAY, AK 99633	58°43'43.7"N	157°0'0.9"W	4.88	NA
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						
7)	ALITAK	ALITAK, Kodiak Island, AK 99615	56°53'52.2"N	154°14'43.0"W	15.24	NA
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						
8)	AMNES	Auntie Mary Nicoli Elementary School Aniak, AK 99557	61°34'49.0"N	159°31'51.7"W	11.34	83
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						
9)	ANIAK DO	Aniak District Office Aniak, AK 99557	61°34'48.3"N	159°33'6.7"W	11.34	83
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						
10)	CVSS	Crown Village Sam School Chuathbaluk, AK 99607	61°34'23.7"N	159°14'57.8"W	11.45	83
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						
11)	EX INLET	Excursion Inlet Excursion Inlet, Haines Borough, AK 99827	58°24'55.3"N	135°26'36.4"W	10.36	83
Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.						



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
12)	GMHS	George Morgan Senior High School Kalskag, AK 99607	61°31'57.9"N	160°20'50.0"W	11.07	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
13)	GMSHS	Gusty Michael School Stoney River, AK 99557	61°47'13.6"N	156°35'17.7"W	12.24	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
14)	Hub	8500 Dimond D Circle (3.8METER) Anchorage, Anchorage, AK 99515	61°8'28.4"N	149°52'30.7"W	41	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
15)	JESS	Jack Egnaty Senior School Sleetmute, AK 99668	61°42'9.7"N	15°10'14.9"W	12.1	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
16)	JJSS	Johnnie John Sr School Crooked Creek, AK 99575	61°51'48.6"N	158°8'18.2"W	11.64	NA
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
17)	JOGES	Joseph & OlingaGregory Elementary School Kalskag, AK	61°32'41.9"N	160°19'3.7"W	11.08	27
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				



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#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
18)	JSHS	Junior Senior High School Aniak, Bethel Census Area, AK 99557	61°34'48.3"N	159°33'6.7"W	11.34	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
19)	ST PAUL	100 Harbor View Drive St. Paul, St. Paul, AK 99660	57°7'23.0"N	170°6'45.0"W	8	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
20)	TEST SITE	600 Telephone Ave Anchorage, Anchorage, AK 99515	63°11'10.5"N	149°52'15.6"W	35	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				
21)	ZLES	Zackar Levi Elementary School Kalskag, AK	61°30'43.6"N	160°21'41.5"W	11.08	83
		Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.				

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning February 16, 2018 (3 AM Eastern Standard Time) and ending February 16, 2033 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is August 5, 2020 (3 AM Eastern Standard Time) . Grantee must file with the Commission a certification upon completion of construction and commencement of operation.



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	5929.0000-6001.0000	H, V	3M20G7W	Tx	47.90	19.40	1		DVB-S2, QPSK
2)	3704.0000-3776.0000	H, V	9M50G7W	Rx			1		16APSK
3)	5929.0000-5944.8500	H, V	4M70G7W	Tx	51.20	20.60	2		8APSK
4)	3704.0000-3776.0000	H, V	3M00G7W	Rx			2		32APSK
5)	5929.0000-6001.0000	H, V	5M60G7W	Tx	51.30	20.70	3		8APSK
6)	3704.0000-3776.0000	H, V	3M80G7W	Rx			3		16APSK
7)	5929.0000-6001.0000	H, V	5M60G7W	Tx	52.00	21.40	4		8APSK
8)	3704.0000-3776.0000	H, V	3M80G7W	Rx			4		16APSK
9)	5929.0000-6001.0000	H, V	5M60G7W	Tx	52.10	21.40	5		8APSK
10)	3704.0000-3776.0000	H, V	3M80G7W	Rx			5		16APSK
11)	6169.0000-6241.0000	H, V	3M0G7W	Tx	58.40	30.10	HUB		Digital
12)	6169.0000-6241.0000	H, V	72M0G7W	Tx	58.40	28.00	HUB		Digital
13)	5929.0000-6001.0000	H, V	7M00G7W	Tx	58.40	26.40	HUB		DVB-S2, 16APSK
14)	5929.0000-6001.0000	H, V	9M50G7W	Tx	58.40	24.60	HUB		DVB-S2, 16APSK
15)	5929.0000-5944.8500	H, V	30M0G7W	Tx	58.40	30.10	HUB		32APSK
16)	3944.0000-4016.0000	H, V	72M0G7W	Rx			HUB		Digital
17)	3704.0000-3776.0000	H, V	3M20G7W	Rx			HUB		QPSK
18)	3704.0000-3776.0000	H, V	4M70G7W	Rx			HUB		32APSK
19)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 1		Digital
20)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 1		Digital
21)	6189.5650-6237.5650	H, V	1M00G7W	Tx	52.50		VSAT 2		Digital
22)	6189.5650-6237.5650	H, V	5M60G7W	Tx	52.50		VSAT 2		Digital
23)	6189.5650-6237.5650	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
24)	6189.5650-6237.5650	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
25)	6189.5650-6237.5650	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
26)	6189.5650-6237.5650	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
27)	5960.2000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
28)	5960.2000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
29)	5960.2000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
30)	5960.2000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
31)	5960.2000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
32)	5960.2000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
33)	5960.2000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
34)	5960.2000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
35)	5960.2000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
36)	5960.2000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
37)	5929.0000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
38)	5929.0000-6001.0000	H, V	1M00G7W	Tx	52.50	21.10	VSAT 2		Digital
39)	5929.0000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
40)	5929.0000-6001.0000	H, V	5M60G7W	Tx	52.50	21.10	VSAT 2		Digital
41)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
42)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
43)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
44)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
45)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
46)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
47)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
48)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
49)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
50)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
51)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
52)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
53)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
54)	3944.0000-4016.0000	H, V	3M00G7W	Rx			VSAT 2		Digital
55)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
56)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
57)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
58)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
59)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
60)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
61)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
62)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
63)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
64)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
65)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
66)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
67)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital
68)	3944.0000-4016.0000	H, V	9M50G7W	Rx			VSAT 2		Digital



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	3704.0000-3776.0000	114.0W	115.0W	14.6	14.9	140.5	141.5	0	HUB
2)	5929.0000-5944.8500	114.0W	115.0W	14.6	14.9	140.5	141.5	-15.94	HUB
3)	5929.0000-6001.0000	114.0W	115.0W	14.6	14.9	140.5	141.5	-15.94	HUB
4)	3704.0000-3776.0000	114.0W	115.0W	14.6	14.9	140.5	141.5		HUB
5)	5929.0000-6001.0000	114.0W	115.0W	09.0	09.5	119.3	120.2	-21.67	1
6)	3704.0000-3776.0000	114.0W	115.0W	09.0	09.5	119.3	120.2		1
7)	5929.0000-5944.8500	114.0W	115.0W	14.6	14.9	140.5	141.5	-21.45	2
8)	3704.0000-3776.0000	114.0W	115.0W	14.6	14.9	140.5	141.5		2
9)	5929.0000-6001.0000	114.0W	115.0W	21.1	21.3	155.3	156.4	-25.19	3
10)	3704.0000-3776.0000	114.0W	115.0W	21.1	21.3	155.3	156.4		3
11)	5929.0000-6001.0000	114.0W	115.0W	16.3	16.7	134.7	135.7	-21.84	4
12)	3704.0000-3776.0000	114.0W	115.0W	16.3	16.7	134.7	135.7		4
13)	5925.0000-6001.0000	114.0W	115.0W	13.9	14.3	132.5	133.5	-20.43	5
14)	3704.0000-3776.0000	114.0W	115.0W	13.9	14.3	132.5	133.5		5
15)	3944.0000-4016.0000	114.0W	116.0W	11.0	11.7	130.8	132.8		VSAT 2
16)	5960.2000-6001.0000	114.0W	116.0W	11.0	11.7	130.8	132.8	-23.23	VSAT 2

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) Hub to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 2) 1 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 3) 2 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 4) 3 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 5) 4 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 6) 5 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 7) JJSS to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 8) JJSS to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 9) GMSHS to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 10) GMHS to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 11) JOGES to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 12) ZLES to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 13) ST PAUL to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 14) TEST SITE to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
5	5	1	2.4	PRODELIN	1244	4.88	3 AGL/ 4.88 AMSL	
Max Gains(s): 37.6 dBi @ 3.7400 GHz 41.6 dBi @ 5.9650 GHz								
Maximum total input power at antenna flange (Watts) =					12.00			
Maximum aggregate output EIRP for all carriers (dBW) =					52.10			
Hub	HUB	1	3.8	General Dynamics	1383	41	4 AGL/ 41 AMSL	
Max Gains(s): 45.6 dBi @ 5.9650 GHz 41.6 dBi @ 3.7400 GHz								
Maximum total input power at antenna flange (Watts) =					21.20			
Maximum aggregate output EIRP for all carriers (dBW) =					58.40			
ST PAUL	VSAT 1	1	3.8	General Dynamics	1383	8	2 AGL/ 8 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					1.90			
Maximum aggregate output EIRP for all carriers (dBW) =					47.90			
ALITAK	VSAT 2		2.4	PRODELIN	1244	15.24	3 AGL/ 15.24 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
EX INLET	VSAT 2		2.4	PRODELIN	1244	10.36	3 AGL/ 10.36 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =								
Maximum aggregate output EIRP for all carriers (dBW) =								
NAKNEK	VSAT 2		2.4	PRODELIN		4.88	3 AGL/ 4.88 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					12.00			
Maximum aggregate output EIRP for all carriers (dBW) =					52.10			



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Expiration Date: 02/16/2033

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
CVSS	VSAT 2	1	2.4	PRODELIN	1244	11.45	3 AGL/ 11.45 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
GMHS	VSAT 2	1	2.4	PRODELIN	1244	11.07	3 AGL/ 11.07 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
JESS	VSAT 2	1	2.4	PRODELIN	1244	12.1	3 AGL/ 12.1 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
JJSS	VSAT 2	1	2.4	PRODELIN	1244	11.64	3 AGL/ 11.64 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
JSHS	VSAT 2	1	2.4	PRODELIN	1244	11.34	3 AGL/ 11.34 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
ZLES	VSAT 2	1	2.4	PRODELIN	1244	11.08	3 AGL/ 11.08 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Alaska Communications Internet, LLC

Call Sign: E170205

Authorization Type: Modification of License

File Number: SES-MOD-20180626-01472

Non Common Carrier

Grant date: 08/05/2019

Expiration Date: 02/16/2033

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
AMNES	VSAT 2	1	2.4	PRODELIN	1244	11.34	3 AGL/ 11.34 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
GMSHS	VSAT 2	1	2.4	PRODELIN	1244	12.24	3 AGL/ 12.24 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
JOGES	VSAT 2	1	2.4	PRODELIN	1244	11.08	3 AGL/ 11.08 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			
TEST SITE	VSAT 2		2.4	PRODELIN	1244	35	3 AGL/ 35 AMSL	
Max Gains(s):								
Maximum total input power at antenna flange (Watts) =					9.33			
Maximum aggregate output EIRP for all carriers (dBW) =					51.20			
ANIAC DO	VSAT 2	1	2.4	PRODELIN	1244	11.34	3 AGL/ 11.34 AMSL	
Max Gains(s): 37.6 dBi @ 3.7000 GHz								
Maximum total input power at antenna flange (Watts) =					10.80			
Maximum aggregate output EIRP for all carriers (dBW) =					52.50			

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions



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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage within 10 days of the change.
- 6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.
- 8 --- Licensee must notify the Commission when all earth stations operating under this authorization are no longer operational or when they have not been used to provide any service during any 6-month operation.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
- 90471 --- The application for this authorization was filed with a coordination report therefore operations of this earth station in the 3700-4200 MHz band are protected within the limits established by the coordination report filed.
- 90504 --- This authorization is subject to modification to bring it into conformance with any rules or policies adopted by the Commission in the future, including the outcome of GN Docket 18-122.
- 90505 --- This authorization is issued pursuant to DA 19-726 which granted ACT's request for waiver of the earth station filing freeze in the 3.7-4.2 GHz band and only applies to earth stations associated with IBFS File No. SES-MOD-20180626-01472.



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B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.