



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

TelAlaska Cellular, Inc.

Call Sign: E080229

Authorization Type: Modification of License

File Number: SES-MOD-20201218-01417

Non Common Carrier

Grant date: 06/30/2021

Expiration Date: 02/10/2024

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)	1	201 E. 56TH AVE. ANCHORAGE, AK 99518	61°10'13.5"N	149°52'47.9"W	39	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
2)	10	PLAT 96-22, R. HUDSON SUBD., LOT 4A UNALASKA, AK 99692	53°52'5.3"N	166°31'17.7"W	7.3	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
3)	2	LOT 2A, BLOCK 25, COLD BAY AIRPORT COLD BAY, AK 99571	55°12'26.1"N	162°43'12.1"W	23.5	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
4)	3	LOT 1, BLOCK 36, USS #2760 FORT YUKON, AK 99740	66°33'49.2"N	145°15'57.1"W	136.2	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
5)	4	LOT 3, BLOCK 9, GALENA AIRPORT GALENA, AK 99741	64°44'24.9"N	156°57'8.0"W	45.1	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				
6)	5	LOT 34, LAKE VIEW ACRES SUBDIVISION ILIAMNA, AK 99606	59°45'29.0"N	154°49'21.3"W	20.4	83
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				



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7)	6	US SURVEY 189 KING COVE, AK 99612	55°3'41.1"N	162°19'15.6"W	3.4	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
8)	7	103 K STREET NOME, AK 99762	64°29'41.5"N	165°23'18.1"W	6.1	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
9)	8	930 TOLSTOI ST. SAINT PAUL, AK 99660	57°7'13.8"N	170°16'42.8"W	4.3	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						
10)	9	BLOCK 2, TRACT B SAND POINT, AK 99661	55°20'32.9"N	160°29'39.1"W	30.8	83
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209						

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 10, 2009 (3 AM Eastern Standard Time) and ending February 10, 2024 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is June 30, 2022 (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)	6424.1000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	1		Phase modulated voice, video, and data services
2)	6424.1000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	1		Phase modulated voice, video, and data services
3)	6424.1000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	1		Phase and amplitude modulated voice, video, and data services
4)	6424.1000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	1		Phase and amplitude modulated voice, video, and data services
5)	6419.7900-6420.9000	H, V	100KG7W	Tx	57.48	43.50	1		Phase modulated voice, video, and data services
6)	6419.7900-6420.9000	H, V	36M0G7W	Tx	72.20	32.68	1		Phase modulated voice, video, and data services
7)	6419.7900-6420.9000	H, V	100KD7W	Tx	57.48	43.50	1		Phase and amplitude modulated voice, video, and data services
8)	6419.7900-6420.9000	H, V	36M0D7W	Tx	72.20	32.68	1		Phase and amplitude modulated voice, video, and data services
9)	6167.7500-6182.2400	H, V	36M0G7W	Tx	72.20	32.68	1		Phase modulated voice, video, and data services
10)	6167.7500-6182.2400	H, V	100KD7W	Tx	57.48	43.50	1		Phase and amplitude modulated voice, video, and data services
11)	6167.7500-6182.2400	H, V	36M0D7W	Tx	72.20	32.68	1		Phase and amplitude modulated voice, video, and data services
12)	6167.5000-6182.2400	H, V	100KG7W	Tx	57.48	43.50	1		Phase modulated voice, video, and data services
13)	5925.0000-5930.2000	H, V	100KG7W	Tx	57.48	43.50	1		Phase modulated voice, video, and data services
14)	5925.0000-5930.2000	H, V	36M0G7W	Tx	72.20	32.68	1		Phase modulated voice, video, and data services
15)	5925.0000-5930.2000	H, V	100KD7W	Tx	57.48	43.50	1		Phase and amplitude modulated voice, video, and data services



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#	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
16)	5925.0000-5930.2000	H, V	36M0D7W	Tx	72.20	32.68	1		Phase and amplitude modulated voice, video, and data services
17)	3700.0000-4200.0000	H, V	36M0G7W	Rx			1		Phase modulated voice, video, and data services
18)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	1		Phase modulated voice, video, and data services
19)	5925.0000-6425.0000	H, V	100KG7W	Tx	58.78	44.80	10		Phase modulated voice, video, and data services
20)	5925.0000-6425.0000	H, V	36M0G7W	Tx	76.50	36.99	10		Phase modulated voice, video, and data services
21)	5925.0000-6425.0000	H, V	100KD7W	Tx	58.78	44.80	10		Phase and amplitude modulated voice, video, and data services
22)	5925.0000-6425.0000	H, V	36M0D7W	Tx	76.50	36.99	10		Phase and amplitude modulated voice, video, and data services
23)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	10		Phase modulated voice, video, and data services
24)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	10		Phase modulated voice, video, and data services
25)	3700.0000-4200.0000	H, V	100KD7W	Rx			10		Phase and amplitude modulated voice, video, and data services
26)	3700.0000-4200.0000	H, V	36M0D7W	Rx			10		Phase and amplitude modulated voice, video, and data services
27)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	2		Phase modulated voice, video, and data services
28)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	2		Phase modulated voice, video, and data services
29)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	2		Phase and amplitude modulated voice, video, and data services
30)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.60	2		Phase and amplitude modulated voice, video, and data services
31)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	2		Phase modulated voice, video, and data services



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The General Provision 1010 applies to all receiving frequency bands.

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#	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
32)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	2		Phase modulated voice, video, and data services
33)	3700.0000-4200.0000	H, V	100KD7W	Rx			2		Phase and amplitude modulated voice, video, and data services
34)	3700.0000-4200.0000	H, V	36M0D7W	Rx			2		Phase and amplitude modulated voice, video, and data services
35)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	3		Phase modulated voice, video, and data services
36)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	3		Phase modulated voice, video, and data services
37)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	3		Phase and amplitude modulated voice, video, and data services
38)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	3		Phase and amplitude modulated voice, video, and data services
39)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	3		Phase modulated voice, video, and data services
40)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	3		Phase modulated voice, video, and data services
41)	3700.0000-4200.0000	H, V	100KD7W	Rx			3		Phase and amplitude modulated voice, video, and data services
42)	3700.0000-4200.0000	H, V	36M0D7W	Rx			3		Phase and amplitude modulated voice, video, and data services
43)	6412.4650-6425.0000	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
44)	6412.4650-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
45)	6412.4650-6425.0000	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
46)	6412.4650-6245.0000	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services



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#	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
47)	6360.4900-6367.4650	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
48)	6360.4900-6367.4650	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
49)	6360.4900-6367.4650	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
50)	6360.4900-6367.4650	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
51)	6293.8650-6308.1650	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
52)	6293.8650-6308.1650	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
53)	6293.8650-6308.1650	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
54)	6293.8650-6308.1650	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
55)	6242.5650-6248.8650	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
56)	6242.5650-6248.8650	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
57)	6242.5650-6248.8650	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
58)	6242.5650-6248.8650	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
59)	6160.4250-6182.2400	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
60)	6160.4250-6182.2400	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
61)	6160.4250-6182.2400	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

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#	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
62)	6160.4250-6182.2400	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
63)	6108.4500-6115.4250	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
64)	6108.4500-6115.4250	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
65)	6108.4500-6115.4250	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
66)	6108.4500-6115.4250	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
67)	6041.8250-6050.6250	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
68)	6041.8250-6050.6250	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
69)	6041.8250-6050.6250	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
70)	6041.8250-6050.6250	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
71)	5989.8500-5996.8250	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
72)	5989.8500-5996.8250	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services
73)	5989.8500-5996.8250	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
74)	5989.8500-5996.8250	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
75)	5925.0000-5937.5250	H, V	100KG7W	Tx	57.48	43.50	4		Phase modulated voice, video, and data services
76)	5925.0000-5937.5250	H, V	36M0G7W	Tx	72.20	32.68	4		Phase modulated voice, video, and data services



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The General Provision 1010 applies to all receiving frequency bands.

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#	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
77)	5925.0000-5937.5250	H, V	100KD7W	Tx	57.48	43.50	4		Phase and amplitude modulated voice, video, and data services
78)	5925.0000-5937.5250	H, V	36M0D7W	Tx	72.20	32.68	4		Phase and amplitude modulated voice, video, and data services
79)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	4		Phase modulated voice, video, and data services
80)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	4		Phase modulated voice, video, and data services
81)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	5		Phase modulated voice, video, and data services
82)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	5		Phase modulated voice, video, and data services
83)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	5		Phase and amplitude modulated voice, video, and data services
84)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	5		Phase and amplitude modulated voice, video, and data services
85)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	5		Phase modulated voice, video, and data services
86)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	5		Phase modulated voice, video, and data services
87)	3700.0000-4200.0000	H, V	100KD7W	Rx			5		Phase and amplitude modulated voice, video, and data services
88)	3700.0000-4200.0000	H, V	36M0D7W	Rx			5		Phase and amplitude modulated voice, video, and data services
89)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	6		Phase modulated voice, video, and data services
90)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	6		Phase modulated voice, video, and data services
91)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	6		Phase and amplitude modulated voice, video, and data services



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92)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	6		Phase and amplitude modulated voice, video, and data services
93)	3700.0000-4200.0000	H, V	100KG7W	Rx			6		Phase modulated voice, video, and data services
94)	3700.0000-4200.0000	H, V	36M0G7W	Rx			6		Phase modulated voice, video, and data services
95)	3700.0000-4200.0000	H, V	100KD7W	Rx			6		Phase and amplitude modulated voice, video, and data services
96)	3700.0000-4200.0000	H, V	36M0D7W	Rx			6		Phase and amplitude modulated voice, video, and data services
97)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	7		Phase modulated voice, video, and data services
98)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	7		Phase modulated voice, video, and data services
99)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	7		Phase and amplitude modulated voice, video, and data services
100)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	7		Phase and amplitude modulated voice, video, and data services
101)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	7		Phase modulated voice, video, and data services
102)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	7		Phase modulated voice, video, and data services
103)	3700.0000-4200.0000	H, V	100KD7W	Rx			7		Phase and amplitude modulated voice, video, and data services
104)	3700.0000-4200.0000	H, V	36M0D7W	Rx			7		Phase and amplitude modulated voice, video, and data services
105)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	8		Phase modulated voice, video, and data services
106)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	8		Phase modulated voice, video, and data services



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107)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	8		Phase and amplitude modulated voice, video, and data services
108)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	8		Phase and amplitude modulated voice, video, and data services
109)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	8		Phase modulated voice, video, and data services
110)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	8		Phase modulated voice, video, and data services
111)	3700.0000-4200.0000	H, V	100KD7W	Rx			8		Phase and amplitude modulated voice, video, and data services
112)	3700.0000-4200.0000	H, V	36M0D7W	Rx			8		Phase and amplitude modulated voice, video, and data services
113)	5925.0000-6425.0000	H, V	100KG7W	Tx	57.48	43.50	9		Phase modulated voice, video, and data services
114)	5925.0000-6425.0000	H, V	36M0G7W	Tx	72.20	32.68	9		Phase modulated voice, video, and data services
115)	5925.0000-6425.0000	H, V	100KD7W	Tx	57.48	43.50	9		Phase and amplitude modulated voice, video, and data services
116)	5925.0000-6425.0000	H, V	36M0D7W	Tx	72.20	32.68	9		Phase and amplitude modulated voice, video, and data services
117)	3700.0000-4200.0000	H, V	100KG7W	Rx	0.00	0.00	9		Phase modulated voice, video, and data services
118)	3700.0000-4200.0000	H, V	36M0G7W	Rx	0.00	0.00	9		Phase modulated voice, video, and data services
119)	3700.0000-4200.0000	H, V	100KD7W	Rx			9		Phase and amplitude modulated voice, video, and data services
120)	3700.0000-4200.0000	H, V	36M0D7W	Rx			9		Phase and amplitude modulated voice, video, and data services



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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)	5925.0000-5930.2000	107.0W	123.0W	12.2	17.2	133.3	150.0	8.83	1
2)	6419.7900-6420.9000	107.0W	123.0W	12.2	17.2	133.3	150.0	8.83	1
3)	6167.7500-6182.2400	107.0W	123.0W	12.2	17.2	133.3	150.0	8.83	1
4)	3700.0000-4200.0000	107.0W	123.0W	12.2	17.2	133.3	150.0		1
5)	6424.1000-6425.0000	107.0W	123.0W	12.2	17.2	133.3	150.0	8.83	1
6)	5925.0000-6425.0000	107.0W	123.0W	10.2	17.7	119.2	134.7	8.83	2
7)	3700.0000-4200.0000	107.0W	123.0W	10.2	17.7	119.2	134.7		2
8)	3700.0000-4200.0000	107.0W	123.0W	09.6	13.1	139.3	156.0	0	3
9)	5925.0000-6425.0000	107.0W	123.0W	09.6	13.1	139.3	156.0	8.83	3
10)	5989.8500-5996.8250	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
11)	6108.4500-6115.4250	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
12)	6160.4250-6182.2400	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
13)	6360.4900-6367.4650	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
14)	6041.8250-6050.6250	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
15)	6242.5650-6248.8650	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
16)	6293.8650-6308.1650	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
17)	3700.0000-4200.0000	107.0W	123.0W	07.3	12.3	127.2	143.3	0	4
18)	5925.0000-5937.5250	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
19)	6412.4650-6425.0000	107.0W	123.0W	07.3	12.3	127.2	143.3	8.83	4
20)	3700.0000-4200.0000	107.0W	123.0W	11.3	17.0	128.1	144.3		5
21)	5925.0000-6425.0000	107.0W	123.0W	11.3	17.0	128.1	144.3	8.83	5
22)	5925.0000-6425.0000	107.0W	123.0W	10.5	18.1	119.6	135.0	8.83	6
23)	3700.0000-4200.0000	107.0W	123.0W	10.5	18.1	119.6	135.0		6
24)	5925.0000-6425.0000	113.0W	123.0W	06.6	10.0	124.8	134.7	8.83	7
25)	3700.0000-4200.0000	113.0W	123.0W	06.6	10.0	124.8	134.7		7
26)	5925.0000-6425.0000	113.0W	123.0W	08.5	13.2	118.4	127.8	8.83	8
27)	3700.0000-4200.0000	113.0W	123.0W	08.5	13.2	118.4	127.8		8
28)	5925.0000-6425.0000	107.0W	123.0W	11.3	18.6	121.3	137.0	8.83	9
29)	3700.0000-4200.0000	107.0W	123.0W	11.3	18.6	121.3	137.0		9
30)	5925.0000-6425.0000	107.0W	123.0W	08.8	17.0	115.4	130.4	8.83	10
31)	3700.0000-4200.0000	107.0W	123.0W	08.8	17.0	115.4	130.4		10



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

- 1) 1 to Permitted Space Station List
- 2) 2 to Permitted Space Station List
- 3) 3 to Permitted Space Station List
- 4) 4 to Permitted Space Station List
- 5) 5 to Permitted Space Station List
- 6) 6 to Permitted Space Station List
- 7) 7 to Permitted Space Station List
- 8) 8 to Permitted Space Station List
- 9) 9 to Permitted Space Station List
- 10) 10 to Permitted Space Station List

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	3.8	GDSATCOM/PRODELIN	1383	39	17.5 AGL/ 56.5 AMSL	
	Max Gains(s):		46.2 dBi @	6.1750 GHz	42.0 dBi @	3.9125 GHz		
	Maximum total input power at antenna flange (Watts) =				400.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				72.20			
10	10	1	4.5	ANDREW	ES45-1	7.3	5.2 AGL/ 12.5 AMSL	
	Max Gains(s):		47.5 dBi @	6.1750 GHz	43.9 dBi @	3.9500 GHz		
	Maximum total input power at antenna flange (Watts) =				800.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				76.50			
2	2	1	3.8	GDSATCOM/PRODELIN	1383	23.5	5.6 AGL/ 29.1 AMSL	
	Max Gains(s):		46.2 dBi @	6.1750 GHz	42.0 dBi @	3.9125 GHz		
	Maximum total input power at antenna flange (Watts) =				400.00			
	Maximum aggregate output EIRP for all carriers (dBW) =				72.20			



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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)
3	3	1	3.8	GDSATCOM/PRODELIN	1383	136.2	5.6 AGL/ 141.9 AMSL	
Max Gains(s): 46.2 dBi @ 6.1750 GHz 42.0 dBi @ 3.9125 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			
4	4	1	3.8	GDSATCOM/PRODELIN	1383	45.1	5.6 AGL/ 50.7 AMSL	
Max Gains(s): 46.2 dBi @ 6.1750 GHz 42.0 dBi @ 3.9125 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			
5	5	1	3.8	GDSATCOM/PRODELIN	1383	20.4	5.6 AGL/ 26 AMSL	
Max Gains(s): 42.0 dBi @ 3.9125 GHz 46.2 dBi @ 6.1750 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			
6	6	1	3.8	GDSATCOM/PRODELIN	1383	3.4	5.6 AGL/ 9 AMSL	
Max Gains(s): 46.2 dBi @ 6.1750 GHz 42.0 dBi @ 3.9125 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			
7	7	1	3.8	GDSATCOM/PRODELIN	1383	6.1	5.6 AGL/ 11.7 AMSL	
Max Gains(s): 46.2 dBi @ 6.1750 GHz 42.0 dBi @ 3.9125 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			
8	8	1	3.8	GDSATCOM/PRODELIN	1383	4.3	5.6 AGL/ 9.9 AMSL	
Max Gains(s): 43.9 dBi @ 3.9125 GHz 47.5 dBi @ 6.1750 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			



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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)
9	9	1	3.8	GDSATCOM/PRODELIN	1383	30.8	5.6 AGL/ 36.4 AMSL	
Max Gains(s): 46.2 dBi @ 6.1750 GHz 42.0 dBi @ 3.9125 GHz								
Maximum total input power at antenna flange (Watts) =					400.00			
Maximum aggregate output EIRP for all carriers (dBW) =					72.20			

F) Remote Control Point:

1	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
10	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
2	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
3	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
4	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
5	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229



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F) Remote Control Point:

6	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
7	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
8	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229
9	201 E. 56TH AVE. ANCHORAGE, ANCHORAGE, AK 99518 907-565-5657	Call Sign: E080229

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

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)



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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:

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.

90405 --- Operations with PERMITTED LIST satellite must comply with §25.212 levels and operations above these levels must coordinate with satellite operators prior to operations.

900407 --- The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per §25.103 and §25.115(k)(1):

- 3600-4200 MHz (space-to-Earth)
- 5850-6725 MHz (Earth-to-space)
- 10.95-11.2 GHz (space-to-Earth)
- 11.45-12.2 GHz (space-to-Earth)
- 13.75-14.5 GHz (Earth-to-space)
- 18.3-18.8 GHz (space-to-Earth)
- 19.7-20.2 GHz (space-to-Earth)
- 24.75-25.25 GHz (Earth-to-space)
- 28.35-28.6 GHz (Earth-to-space)
- 29.25-30.0 GHz (Earth-to-space).

Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.



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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.