



**UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
RADIO STATION AUTHORIZATION**

Name: Intelsat License LLC

Call Sign: E140121

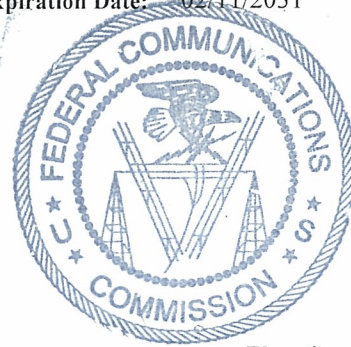
Authorization Type: Modification of License

File Number: SES-MOD-20170725-00802

Non Common Carrier

Grant date: 09/13/2017

Expiration Date: 02/11/2031



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)	MTN-1	17625 Technology BLVD Hagerstown, Washington, MD 21740	39°35'53.1"N	77°45'22.3"W	170	83

Licenses 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 11, 2016 (3 AM Eastern Standard Time) and ending February 11, 2031 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is September 13, 2018 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.*

**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)	14000.0000-14500.0000	H,V	1M00G7W	Tx	72.70	48.70	K77		Digital Data
2)	14000.0000-14500.0000	H,V	36M0G7W	Tx	85.00	45.50	K77		Digital Data
3)	14000.0000-14500.0000	H,V	62M5G7W	Tx	85.00	43.10	K77		Digital Data
4)	13780.0000-14000.0000	H,V	1M00G7W	Tx	72.70	48.70	K77		Digital Data
5)	13780.0000-14000.0000	H,V	36M0G7W	Tx	85.00	45.50	K77		Digital Data
6)	13780.0000-14000.0000	H,V	62M5G7W	Tx	85.00	43.10	K77		Digital Data
7)	13770.0000-13780.0000	H,V	36M0G7W	Tx	78.80	39.20	K77		Digital Data
8)	13770.0000-13780.0000	H,V	5M00G7W	Tx	68.00	37.00	K77		Digital Data
9)	13770.0000-13780.0000	H,V	62M5G7W	Tx	81.20	39.20	K77		Digital Data



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10)	13750.0000-13770.0000	H, V	1M00G7W	Tx	72.70	48.70	K77		Digital Data
11)	13750.0000-13770.0000	H, V	36M0G7W	Tx	85.00	45.50	K77		Digital Data
12)	13750.0000-13770.0000	H, V	62M5G7W	Tx	85.00	43.10	K77		Digital Data
13)	12875.0000-13250.0000	H, V	1M00G7W	Tx	57.70	33.70	K77		Digital Data
14)	12875.0000-13250.0000	H, V	36M0G7W	Tx	73.30	33.70	K77		Digital Data
15)	12875.0000-13250.0000	H, V	62M5G7W	Tx	75.70	33.70	K77		Digital Data
16)	12200.0000-12500.0000	H, V	1M00G7W	Rx			K77		Digital Data
17)	12200.0000-12500.0000	H, V	62M5G7W	Rx			K77		Digital Data
18)	11950.0000-12200.0000	H, V	1M00G7W	Rx			K77		Digital Data
19)	11950.0000-12200.0000	H, V	250KG7D	Rx			K77		Digital Data
20)	11950.0000-12200.0000	H, V	62M5G7W	Rx			K77		Digital Data
21)	11700.0000-11950.0000	H, V	1M00G7W	Rx			K77		Digital Data
22)	11700.0000-11950.0000	H, V	62M0G7W	Rx			K77		Digital Data
23)	11450.0000-11700.0000	H, V	1M00G7W	Rx			K77		Digital Data
24)	11450.0000-11700.0000	H, V	250KG7D	Rx			K77		Digital Data
25)	11200.0000-11450.0000	H, V	1M00G7W	Rx			K77		Digital Data
26)	11200.0000-11450.0000	H, V	62M5G7W	Rx			K77		Digital Data
27)	10700.0000-10950.0000	H, V	1M00G7W	Rx			K77		Digital Data
28)	10700.0000-10950.0000	H, V	62M0G7W	Rx			K77		Digital Data
29)	14499.5000-14499.5000	H, V, L, R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
30)	14498.5000-14498.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
31)	14497.0000-14497.0000	L	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
32)	14494.5000-14494.5000	H, V, L, R	850KF7D	Tx	73.20	49.90	K78		TT&C
33)	14494.5000-14494.5000	V	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING



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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
34)	14006.0000-14006.0000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
35)	14003.5000-14003.5000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
36)	14003.0000-14003.0000	L	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
37)	14001.0000-14001.0000	H, V	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
38)	14000.5000-14000.5000	H, V, L, R	850KF7D	Tx	73.20	49.90	K78		TT&C
39)	14000.5000-14000.5000	R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
40)	14000.5000-14000.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
41)	14000.0000-14500.0000	H, V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
42)	14000.0000-14500.0000	H, V	34M0G7D	Tx	88.00	48.70	K78		DIGITAL DATA
43)	14000.0000-14500.0000	H, V	36M0G7W	Tx	85.00	45.50	K78		Digital Data
44)	14000.0000-14500.0000	H, V	43K0G7D	Tx	59.00	48.70	K78		DIGITAL DATA
45)	14000.0000-14500.0000	H, V	62M5G7W	Tx	85.00	43.10	K78		Digital Data
46)	14000.0000-14500.0000	H, V	72M0G7D	Tx	88.00	45.50	K78		DIGITAL DATA
47)	13998.5000-13998.5000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
48)	13997.5000-13997.5000	H, V, L, R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
49)	13995.5000-13995.5000	H, V, L, R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
50)	13995.0000-13995.0000	H, V	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
51)	13994.5000-13994.5000	H	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
52)	13780.0000-14000.0000	H, V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
53)	13780.0000-14000.0000	H, V	62M5G7W	Tx	85.00	43.10	K78		Digital Data
54)	13770.0000-13780.0000	H, V	36M0G7W	Tx	78.80	39.20	K78		Digital Data
55)	13770.0000-13780.0000	H, V	5M00G7W	Tx	68.00	37.00	K78		Digital Data
56)	13770.0000-13780.0000	H, V	62M5G7W	Tx	81.20	39.20	K78		Digital Data
57)	13753.0000-13753.0000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING



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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
58)	13750.5000-13750.5000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
59)	13750.5000-13750.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
60)	13750.0000-13770.0000	H, V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
61)	13750.0000-13770.0000	H, V	36M0G7W	Tx	85.00	45.50	K78		Digital Data
62)	13750.0000-13770.0000	H, V	62M5G7W	Tx	85.00	43.10	K78		Digital Data
63)	12875.0000-13250.0000	H, V	1M00G7W	Tx	58.30	34.30	K78		Digital Data
64)	12875.0000-13250.0000	H, V	36M0G7W	Tx	73.90	34.30	K78		Digital Data
65)	12875.0000-13250.0000	H, V	62M5G7W	Tx	76.30	34.30	K78		Digital Data
66)	12200.0000-12500.0000	H, V	1M00G7W	Rx			K78		Digital Data
67)	12200.0000-12500.0000	H, V	62M5G7W	Rx			K78		Digital Data
68)	12198.0000-12200.0000	H, V, L, R	N0N	Rx			K78		BEACON
69)	12195.0000-12200.0000	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
70)	11950.0000-12200.0000	H, V	1M00G7W	Rx			K78		Digital Data
71)	11950.0000-12200.0000	H, V	62M5G7W	Rx			K78		Digital Data
72)	11702.0000-11702.0000	H, V, L, R	850KF7D	Rx		0.00	K78		TT&C
73)	11700.5000-11700.5000	H, V, L, R	850KF7D	Rx			K78		TT&C
74)	11700.0000-12200.0000	H, V	43K0G7D	Rx			K78		DIGITAL DATA
75)	11700.0000-12200.0000	H, V	72M0G7D	Rx			K78		DIGITAL DATA
76)	11700.0000-11950.0000	H, V	1M00G7W	Rx			K78		Digital Data
77)	11700.0000-11950.0000	H, V	62M5G7W	Rx			K78		Digital Data
78)	11700.0000-11710.0000	H, V, L, R	1M60G7D	Rx			K78		TELEMETRY
79)	11700.0000-11710.0000	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
80)	11700.0000-11705.0000	H, V, L, R	N0N	Rx		0.00	K78		BEACON
81)	11697.0000-11700.0000	H, V, L, R	N0N	Rx			K78		BEACON



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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
82)	11695.0000-11700.0000	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
83)	11450.0000-11700.0000	H, V	1M00G7W	Rx			K78		Digital Data
84)	11450.0000-11700.0000	H, V	250KG7D	Rx			K78		Digital Data
85)	11450.0000-11700.0000	H, V	43K0G7D	Rx			K78		DIGITAL DATA
86)	11450.0000-11700.0000	H, V	72M0G7D	Rx			K78		DIGITAL DATA
87)	11450.0000-11452.0000	H, V, L, R	N0N	Rx			K78		BEACON
88)	11445.0000-11460.0000	H, V, L, R	500KG7W	Rx			K78		TELEMETRY
89)	11200.0000-11450.0000	H, V	1M00G7W	Rx			K78		Digital Data
90)	11200.0000-11450.0000	H, V	62M5G7W	Rx			K78		Digital Data
91)	11199.7500-11199.7500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
92)	11199.2500-11199.2500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
93)	11198.5000-11198.5000	H, V, L, R	500KG7D	Rx		0.00	K78		TELEMETRY
94)	11198.0000-11198.0000	H, V, L, R	500KG7D	Rx		0.00	K78		TELEMETRY
95)	11196.7500-11196.7500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
96)	11196.2500-11196.2500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
97)	11195.5000-11195.5000	H, V, L, R	500KG7D	Rx		0.00	K78		TELEMETRY
98)	11194.2500-11194.2500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
99)	10950.0000-11200.0000	H, V	43K0G7D	Rx			K78		DIGITAL DATA
100)	10950.0000-11200.0000	H, V	72M0G7D	Rx			K78		DIGITAL DATA
101)	10700.0000-10950.0000	H, V	1M00G7W	Rx			K78		Digital Data
102)	10700.0000-10950.0000	H, V	62M0G7W	Rx			K78		Digital Data



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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)	12875.0000-13250.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-35.74	K78
2)	12200.0000-12500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K78
3)	13750.0000-14000.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-20.76	K78
4)	14000.0000-14500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-24	K78
5)	10700.0000-10950.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K78
6)	11200.0000-11450.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K78
7)	11700.0000-11950.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K78
8)	11450.0000-11700.0000	49.0W	51.0W	35.4	36.5	139.3	141.7		K78
9)	13753.0000-13753.0000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.23	K78
10)	13995.0000-13995.0000	49.9W	50.0W	35.9	36.1	140.3	140.6	-10.85	K78
11)	14000.0000-14500.0000	18.0W	140.0W	14.4	12.5	110.4	251.5	-13.97	K78
12)	14001.0000-14001.0000	95.0W	95.2W	40.9	40.8	205.8	206.1	-11.69	K78
13)	14003.0000-14003.0000	120.9W	121.1W	26.4	26.3	235.8	236.0	-6.92	K78
14)	14003.5000-14003.5000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
15)	14003.5000-14003.5000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
16)	14494.5000-14494.5000	43.0W	43.2W	31.9	32.0	132.6	132.8	-9.02	K78
17)	14498.5000-14498.5000			35.9	36.1	140.3	140.6	-10.85	K78
18)	14499.5000-14499.5000	58.0W	58.2W	39.8	39.9	150.6	150.9	-11.43	K78
19)	14006.0000-14006.0000	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78
20)	14497.0000-14497.0000	120.9W	121.1W	26.4	26.3	235.8	236.0	-6.92	K78
21)	13750.5000-13750.5000	57.9W	58.0W	39.8	39.9	150.5	150.7	-11.96	K78
22)	13750.5000-13750.5000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
23)	13994.5000-13994.5000	57.9W	58.1W	39.8	39.9	150.5	150.7	-12.67	K78
24)	13995.5000-13995.5000	42.9W	43.1W	31.8	32.0	132.5	132.7	-9	K78
25)	13997.5000-13997.5000	58.0W	58.2W	39.8	39.9	150.6	150.9	-11.43	K78
26)	13997.5000-13997.5000	76.1W	76.3W	44.1	44.2	177.4	177.7	-12.55	K78
27)	13998.5000-13998.5000	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78
28)	14000.5000-14000.5000	43.0W	43.2W	31.9	32.0	132.6	132.8	-9.02	K78
29)	11195.5000-11195.5000	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78
30)	11198.0000-11198.0000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
31)	11198.5000-11198.5000	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
32)	11194.2500-11194.2500	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78
33)	11196.2500-11196.2500	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78
34)	11196.7500-11196.7500	95.0W	95.2W	40.8	40.7	206.0	206.3	-12.92	K78



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		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
35)	11199.2500-11195.2500	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
36)	11199.7500-11199.7500	95.0W	95.2W	40.9	40.8	205.8	206.1	-12.94	K78
37)	11200.0000-11450.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
38)	11700.0000-12200.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
39)	12875.0000-13250.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-35.74	K77
40)	13750.0000-14000.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-20.6	K77
41)	14000.0000-14500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-24	K77
42)	10700.0000-10950.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
43)	12200.0000-12500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
44)	11450.0000-11700.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77

**D) Points of Communications**

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

- 1) MTN-1 to INTELSAT 29e (S2913) @ 50.0 degrees W.L. (U.S.-licensed)
- 2) MTN-1 to Permitted Space Station List
- 3) MTN-1 to INTELSAT 1R @ 50.1W.L. (S2368) of the INTELSAT system (U.S.-licensed)
- 4) MTN-1 to INTELSAT 21 (S2863) @ 58.0 degrees W.L. (U.S.-licensed)
- 5) MTN-1 to INTELSAT 16 (S2750) @ 58.10 W.L. (U.S.-licensed)
- 6) MTN-1 to GALAXY 3C (S2381) @ 95.05 W.L. (U.S.-licensed)
- 7) MTN-1 to INTELSAT 11 @ 43.0 W.L. satellite(s) of the INTELSAT system (U.S.-licensed)
- 8) MTN-1 to GALAXY 23 (S2592) @ 121 degrees W. L.(U.S.-licensed)
- 9) MTN-1 to INTELSAT 30 (S2887) @ 95.05 degrees W.L. (U.S.-licensed)
- 10) MTN-1 to INTELSAT 31 (S2924) @ 95.05 degrees W.L. (U.S.-licensed)
- 11) MTN-1 to INTELSAT 9 (S2380) @ 29.5 W.L. (U.S.-licensed)



**UNITED STATES OF AMERICA**  
**FEDERAL COMMUNICATIONS COMMISSION**  


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**RADIO STATION AUTHORIZATION**

Name: Intelsat License LLC

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20170725-00802

Non Common Carrier

Grant date: 09/13/2017

Expiration Date: 02/11/2031

**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)
MTN-1	K77	1	13.1	Vertex/RSI	ST 13.1	170	8.66 AGL/ 170 AMSL	
Max Gains(s):		62.7 dBi @	13.0000 GHz	63.5 dBi @	14.2000 GHz			
Maximum total input power at antenna flange (Watts) =					340.00			
Maximum aggregate output EIRP for all carriers (dBW) =					88.00			
MTN-1	K78	1	13.5	Viasat	13.5m	170	9.14 AGL/ 170 AMSL	
Max Gains(s):		63.3 dBi @	13.0000 GHz	64.0 dBi @	14.2000 GHz			
Maximum total input power at antenna flange (Watts) =					340.00			
Maximum aggregate output EIRP for all carriers (dBW) =					88.60			

**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:

- 385 --- The use of the band 10.7-11.7 GHz (Space-to-Earth) and 12.75-13.25 GHz (Earth-to-Space) by the fixed-satellite service in the geostationary satellite orbit shall be limited to international systems, i.e. other than domestic systems. (NG52)
- 1010 --- Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1900 --- Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2010 --- This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2916 --- Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.





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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:

- 2938 --- Upon completion of construction, each licensee must file with the Commission a certification including the following information: (1) name of the licensee, (2) file number of the application, (3) call sign of the antenna, (4) date of the license, (5) certification that the facility as authorized has been completed, (6) certification that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209, and (7) certification that the station is operational (including the date of commencement of service) and will remain operational during the license period unless the license is submitted for cancellation.
- 3219 --- All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307 (b) (5).
- 5208 --- The licensee shall take all necessary measures to ensure that the antenna 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 wherever such exposures might occur. 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](http://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.
- 90273 --- Intelsat's request for waiver of footnote NG52 of the US Table of Allocations, 47 C.F.R. Section 2.106, NG52, to use the 10.7-11.7 GHz (space-to-Earth) frequency band to offer domestic services on an unprotected, non-interference basis in the United States is GRANTED via FCC IBFS File Nos. SAT-LOA-20130722-00097; SAT-AMD-20140718-00087, Intelsat 29e, Call Sign S2913.
- 90274 --- Intelsat's use of the 10.7-10.95 GHz (space-to-Earth), 11.2-11.45 GHz (space-to-Earth), and 12.75-13.25 GHz (Earth-to-space) frequency bands is subject to footnote 5.441 to the United States Table of Frequency Allocations, 47 C.F.R. Section 2.106, 5.441, which states that operations in these bands shall be in accordance with the provisions of Appendix 30B.
- 90291 --- This earth station is not operating as a U.S. DBS (ITU BSS) station and that it did not coordinate to receive in the frequency band 12.2- 12.5 GHz; therefore, operation will be on a non-interference protected basis.



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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.