



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

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)	1	17625 Technology BLVD Hagerstown, Washington, MD 21740	39°35'53.1"N	77°45'22.3"W	173	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 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 January 7, 2022 (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



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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
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	850KF7D	Tx	88.60	64.60	K78		TT&C
30)	14499.5000-14499.5000	H,V,L,R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
31)	14498.5000-14498.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
32)	14498.0000-14498.0000	H,V,L,R	850KF7D	Tx	88.60	65.30	K78		TT&C
33)	14497.0000-14497.0000	L	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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
34)	14494.5000-14494.5000	H, V, L, R	850KF7D	Tx	73.20	49.90	K78		TT&C
35)	14494.5000-14494.5000	V	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
36)	14006.0000-14006.0000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
37)	14003.5000-14003.5000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
38)	14003.0000-14003.0000	L	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
39)	14001.0000-14001.0000	H, V	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
40)	14000.5000-14000.5000	H, V, L, R	850KF7D	Tx	73.20	49.90	K78		TT&C
41)	14000.5000-14000.5000	R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
42)	14000.5000-14000.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
43)	14000.0000-14500.0000	H, V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
44)	14000.0000-14500.0000	H, V	34M0G7D	Tx	88.00	48.70	K78		DIGITAL DATA
45)	14000.0000-14500.0000	H, V	36M0G7W	Tx	85.00	45.50	K78		Digital Data
46)	14000.0000-14500.0000	H, V	43K0G7D	Tx	59.00	48.70	K78		DIGITAL DATA
47)	14000.0000-14500.0000	H, V	62M5G7W	Tx	85.00	43.10	K78		Digital Data
48)	14000.0000-14500.0000	H, V	72M0G7D	Tx	88.00	45.50	K78		DIGITAL DATA
49)	13999.0000-13999.0000	H, V, L, R	850KF7D	Tx	85.00	61.70	K78		TT&C
50)	13998.5000-13998.5000	H, V, L, R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
51)	13997.5000-13997.5000	H, V, L, R	850KF7D	Tx	88.60	64.60	K78		TT&C
52)	13997.5000-13997.5000	H, V, L, R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
53)	13995.5000-13995.5000	H, V, L, R	750KF2D	Tx	85.00	62.30	K78		COMMAND AND RANGING
54)	13995.0000-13995.0000	H, V	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
55)	13994.5000-13994.5000	H	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
56)	13780.0000-14000.0000	H, V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
57)	13780.0000-14000.0000	H, V	62M5G7W	Tx	85.00	43.10	K78		Digital Data



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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
58)	13770.0000-13780.0000	H,V	36M0G7W	Tx	78.80	39.20	K78		Digital Data
59)	13770.0000-13780.0000	H,V	5M00G7W	Tx	68.00	37.00	K78		Digital Data
60)	13770.0000-13780.0000	H,V	62M5G7W	Tx	81.20	39.20	K78		Digital Data
61)	13753.0000-13753.0000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
62)	13750.5000-13750.5000	H,V,L,R	1M00G9D	Tx	85.00	61.00	K78		COMMAND AND RANGING
63)	13750.5000-13750.5000	L	850KF2D	Tx	85.00	61.70	K78		COMMAND AND RANGING
64)	13750.0000-13770.0000	H,V	1M00G7W	Tx	73.30	49.30	K78		Digital Data
65)	13750.0000-13770.0000	H,V	36M0G7W	Tx	85.00	45.50	K78		Digital Data
66)	13750.0000-13770.0000	H,V	62M5G7W	Tx	85.00	43.10	K78		Digital Data
67)	12875.0000-13250.0000	H,V	1M00G7W	Tx	58.30	34.30	K78		Digital Data
68)	12875.0000-13250.0000	H,V	36M0G7W	Tx	73.90	34.30	K78		Digital Data
69)	12875.0000-13250.0000	H,V	62M5G7W	Tx	76.30	34.30	K78		Digital Data
70)	12200.0000-12500.0000	H,V	1M00G7W	Rx			K78		Digital Data
71)	12200.0000-12500.0000	H,V	62M5G7W	Rx			K78		Digital Data
72)	12198.7500-12198.7500	H,V,L,R	300KF7D	Rx			K78		TT&C
73)	12198.2500-12198.2500	H,V,L,R	300KF7D	Rx			K78		TT&C
74)	12198.0000-12200.0000	H,V,L,R	N0N	Rx			K78		BEACON
75)	12195.0000-12200.0000	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
76)	11950.0000-12200.0000	H,V	1M00G7W	Rx			K78		Digital Data
77)	11950.0000-12200.0000	H,V	62M5G7W	Rx			K78		Digital Data
78)	11702.0000-11702.0000	H,V,L,R	850KF7D	Rx		0.00	K78		TT&C
79)	11700.5000-11700.5000	H,V,L,R	850KF7D	Rx			K78		TT&C
80)	11700.0000-12200.0000	H,V	43K0G7D	Rx			K78		DIGITAL DATA
81)	11700.0000-12200.0000	H,V	72M0G7D	Rx			K78		DIGITAL DATA



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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
82)	11700.0000-11950.0000	H,V	1M00G7W	Rx			K78		Digital Data
83)	11700.0000-11950.0000	H,V	62M5G7W	Rx			K78		Digital Data
84)	11700.0000-11710.0000	H,V,L,R	1M60G7D	Rx			K78		TELEMETRY
85)	11700.0000-11710.0000	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
86)	11700.0000-11705.0000	H,V,L,R	N0N	Rx		0.00	K78		BEACON
87)	11697.0000-11700.0000	H,V,L,R	N0N	Rx			K78		BEACON
88)	11695.0000-11700.0000	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
89)	11452.0000-11452.0000	H,V,L,R	350KF7D	Rx			K78		TT&C
90)	11451.0000-11451.0000	H,V,L,R	350KF7D	Rx			K78		TT&C
91)	11450.0000-11700.0000	H,V	1M00G7W	Rx			K78		Digital Data
92)	11450.0000-11700.0000	H,V	250KG7D	Rx			K78		Digital Data
93)	11450.0000-11700.0000	H,V	43K0G7D	Rx			K78		DIGITAL DATA
94)	11450.0000-11700.0000	H,V	72M0G7D	Rx			K78		DIGITAL DATA
95)	11450.0000-11452.0000	H,V,L,R	N0N	Rx			K78		BEACON
96)	11445.0000-11460.0000	H,V,L,R	500KG7W	Rx			K78		TELEMETRY
97)	11200.0000-11450.0000	H,V	1M00G7W	Rx			K78		Digital Data
98)	11200.0000-11450.0000	H,V	62M5G7W	Rx			K78		Digital Data
99)	11199.7500-11199.7500	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
100)	11199.2500-11199.2500	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
101)	11198.5000-11198.5000	H,V,L,R	500KG7D	Rx		0.00	K78		TELEMETRY
102)	11198.0000-11198.0000	H,V,L,R	500KG7D	Rx		0.00	K78		TELEMETRY
103)	11196.7500-11196.7500	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
104)	11196.2500-11196.2500	H,V,L,R	500KG7D	Rx			K78		TELEMETRY
105)	11195.5000-11195.5000	H,V,L,R	500KG7D	Rx		0.00	K78		TELEMETRY



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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
106)	11194.2500-11194.2500	H, V, L, R	500KG7D	Rx			K78		TELEMETRY
107)	10950.0000-11200.0000	H, V	43K0G7D	Rx			K78		DIGITAL DATA
108)	10950.0000-11200.0000	H, V	72M0G7D	Rx			K78		DIGITAL DATA
109)	10700.0000-10950.0000	H, V	1M00G7W	Rx			K78		Digital Data
110)	10700.0000-10950.0000	H, V	62M0G7W	Rx			K78		Digital Data

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



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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		
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
35)	11199.2500-11199.2500	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)	14499.5000-14499.5000	74.8W	76.8W	44.1	44.2	175.4	178.5	-11.4	K78
38)	13997.5000-13997.5000	74.8W	76.8W	44.1	44.2	175.4	178.5	-11.4	K78
39)	14498.0000-14498.0000	222.0W	224.0W	14.1	15.6	248.5	250.0	0.53	K78
40)	13999.0000-13999.0000	222.0W	224.0W	14.1	15.6	248.5	250.0	-3.07	K78
41)	11200.0000-11450.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
42)	11700.0000-12200.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
43)	12875.0000-13250.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-35.74	K77
44)	13750.0000-14000.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-20.6	K77
45)	14000.0000-14500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6	-24	K77
46)	10700.0000-10950.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
47)	12200.0000-12500.0000	49.0W	51.0W	35.5	36.6	139.2	141.6		K77
48)	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) 1 to INTELSAT 29e (S2913) @ 50.0 degrees W.L. (U.S.-licensed)
- 2) 1 to Permitted Space Station List
- 3) 1 to INTELSAT 1R @ 157.1 E.L. (S2368) of the INTELSAT system (U.S.-licensed)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

D) Points of Communications

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

- 4) 1 to INTELSAT 21 (S2863) @ 58.0 degrees W.L. (U.S.-licensed)
- 5) 1 to INTELSAT 16 (S2750) @ 58.10 W.L. (U.S.-licensed)
- 6) 1 to GALAXY 3C (S2381) @ 95.05 W.L. (U.S.-licensed)
- 7) 1 to INTELSAT 11 @ 43.0 W.L. satellite(s) of the INTELSAT system (U.S.-licensed)
- 8) 1 to GALAXY 23 (S2592) @ 121 degrees W. L.(U.S.-licensed)
- 9) 1 to INTELSAT 30 (S2887) @ 95.05 degrees W.L. (U.S.-licensed)
- 10) 1 to INTELSAT 31 (S2924) @ 95.05 degrees W.L. (U.S.-licensed)
- 11) 1 to INTELSAT 9 (S2380) @ 29.5 W.L. (U.S.-licensed)
- 12) 1 to INTELSAT 16 (S2750) @ 76.2 W.L. (U.S.-licensed)
- 13) 1 to GALAXY 11 satellite (S2253) @ 93.1degrees W.L. (U.S.-licensed)
- 14) 1 to INTELSAT 5 (S2704) @ 156.9 degrees E.L. (U.S.-licensed)

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)
1	K77	1	13.1	Vertex/RSI	ST 13.1	173	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		
1	K78	1	13.5	Viasat	13.5M.	173	9.14 AGL/ 182 AMSL	
	Max Gains(s):		63.3 dBi @	13.0000 GHz	64.0 dBi @	14.2000 GHz	62.1 dBi @	
			11.6000 GHz					
	Maximum total input power at antenna flange (Watts) =					640.00		
	Maximum aggregate output EIRP for all carriers (dBW) =					88.00		

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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.
- 9 --- Site location coordinates are based on the WGS84 datum.

- 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)
- 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.
- 90397 --- Telemetry, tracking and command (TT&C) operations identified in part B, Particulars of Operation in this authorization may be transmitted within the assigned bands that are not at a band edge only if the transmissions cause no greater interference and require no greater protection from harmful interference than the communications traffic on the satellite network or have been coordinated with operators of authorized co-frequency space stations at orbital locations within six degrees of the assigned orbital location. Frequencies, polarization, and coding of telemetry, tracking, and command transmissions must be selected to minimize interference into other satellite networks.
- 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)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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.

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.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Name: Intelsat License LLC, as debtor-in-possession

Call Sign: E140121

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01387

Non Common Carrier

Grant date: 01/07/2021

Expiration Date: 02/11/2031

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.